Harvard T.H. Chan School of Public Health Course Catalog Preview

Biostatistics

Subject: Biostatistics

Biostatistics 210 Section: 1

Applied Regression Analysis (190025)

Dustin Rabideau
Tanayott Thaweethai

2023 Spring (5 Credits)		**Schedule:**	TR 0800 AM - 0930 AM
Instructor Permissions:	None	**Enrollment Cap:**	100

Topics include model interpretation, model building, and model assessment for linear regression with continuous outcomes, logistic regression with binary outcomes, and proportional hazards regression with survival time outcomes. Specific topics include regression diagnostics, confounding and effect modification, goodness of fit, data transformations, splines and additive models, ordinal, multinomial, and conditional logistic regression, generalized linear models, overdispersion, Poisson regression for rate outcomes, hazard functions, and missing data. The course will provide students with the skills necessary to perform regression analyses and to critically interpret statistical issues related to regression applications in the public health literature.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	**Wave 1	PhD PHS**
	**Wave 2	Open Enrollment**
	**Wave 3	Open Enrollment**
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	Priority Wave Timing
	**Wave 1	1/5/2023 11:00AM – 1/16/2023 11:59PM**
	**Wave 2	1/17/2023 12:00AM – 1/19/2023 11:59PM**
	**Wave 3	1/20/2023 12:00AM – Enrollment Deadline (varies by session)**
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	Prerequisite: ID201 or BST201 or (BST202 and BST203) or (BST206 and (BST207 or 208))

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO

Biostatistics 210LAB Section: 1

Applied Regression Analysis - Required LAB (213472)

Dustin Rabideau

Tanayott Thaweethai

2023 Spring (0 Credits)

Schedule: R 0345 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:** 25

Topics include model interpretation, model building, and model assessment for linear regression with continuous outcomes, logistic regression with binary outcomes, and proportional hazards regression with survival time outcomes. Specific topics include regression diagnostics, confounding and effect modification, goodness of fit, data transformations, splines and additive models, ordinal, multinomial, and conditional logistic regression, generalized linear models, overdispersion, Poisson regression for rate outcomes, hazard functions, and missing data. The course will provide students with the skills necessary to perform regression analyses and to critically interpret statistical issues related to regression applications in the public health literature.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | PhD PHS
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students are required to enroll in both BST 210 and BST 210LAB.**
	To enroll in a section of BST 210 LAB, students must first enroll in BST 210.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Biostatistics 210LAB Section: 2

Applied Regression Analysis - Required LAB (213472)

Dustin Rabideau

Tanayott Thaweethai

2023 Spring (0 Credits)		**Schedule:**	R 0530 PM - 0700 PM
Instructor Permissions:	None	**Enrollment Cap:**	25

Topics include model interpretation, model building, and model assessment for linear regression with continuous outcomes, logistic regression with binary outcomes, and proportional hazards regression with survival time outcomes. Specific topics include regression diagnostics, confounding and effect modification, goodness of fit, data transformations, splines and additive models, ordinal, multinomial, and conditional logistic regression, generalized linear models, overdispersion, Poisson regression for rate outcomes, hazard functions, and missing data. The course will provide students with the skills necessary to perform regression analyses and to critically interpret statistical issues related to regression applications in the public health literature.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | PhD PHS
	Wave 2 | Open Enrollment
	Wave 3 | Open Enrollment

	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
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automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students are required to enroll in both BST 210 and BST 210LAB.**

To enroll in a section of BST 210 LAB, students must first enroll in BST 210.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 210LAB Section: 3

Applied Regression Analysis - Required LAB (213472)

Dustin Rabideau

Tanayott Thaweethai

2023 Spring (0 Credits)

Schedule: F 0945 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   25

Topics include model interpretation, model building, and model assessment for linear regression with continuous outcomes, logistic regression with binary outcomes, and proportional hazards regression with survival time outcomes. Specific topics include regression diagnostics, confounding and effect modification, goodness of fit, data transformations, splines and additive models, ordinal, multinomial, and conditional logistic regression, generalized linear models, overdispersion, Poisson regression for rate outcomes, hazard functions, and missing data. The course will provide students with the skills necessary to perform regression analyses and to critically interpret statistical issues related to regression applications in the public health literature.

Class Notes: **BST 210 LAB 3 meets in Kresge 202A <u>except</u> on Friday, March 31, when the class meets in *Kresge G2*.**

THIS CLASS HAS PRIORITY ENROLLMENT

<u>Priority Wave Groups</u>
Wave 1 | PhD PHS
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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<u>Priority Wave Timing</u>
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students are required to enroll in both BST 210 and BST 210LAB.**

To enroll in a section of BST 210 LAB, students must first enroll in BST 210.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 210LAB Section: 4

Applied Regression Analysis - Required LAB (213472)

Dustin Rabideau

Tanayott Thaweethai

2023 Spring (0 Credits)

Schedule: F 0800 AM - 0930 AM

Instructor Permissions: None   **Enrollment Cap:**   25

Topics include model interpretation, model building, and model assessment for linear regression with continuous outcomes, logistic regression with binary outcomes, and proportional hazards regression with survival time outcomes. Specific topics include regression diagnostics, confounding and effect modification, goodness of fit, data transformations, splines and additive models, ordinal, multinomial, and conditional logistic regression, generalized linear models, overdispersion, Poisson regression for rate outcomes, hazard functions, and missing data. The course will provide students with the skills necessary to perform regression analyses and to critically interpret statistical issues related to regression applications in the public health literature.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | PhD PHS
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
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by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students are required to enroll in both BST 210 and BST 210LAB.**
	To enroll in a section of BST 210 LAB, students must first enroll in BST 210.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Biostatistics 212 Section: 1

Survey Research Methods in Community Health (190027)

Thomas Mangione

2023 Spring (2.5 Credits)		**Schedule:**	W 0345 PM - 0515 PM
Instructor Permissions:	None	**Enrollment Cap:**	35

Covers research design, sample selection, questionnaire construction, interviewing techniques, the reduction and interpretation of data, and related facets of population survey investigations. Focuses primarily on the application of survey methods to problems of health program planning and evaluation. Treatment of methodology is sufficiently broad to be suitable for students who are concerned with epidemiological, nutritional, or other types of survey research.

Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Biostatistics 214 Section: 1

Principles of Clinical Trials (190029)

David Wypij

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 60

Designed for individuals interested in the scientific, policy, and management aspects of clinical trials. Topics include types of clinical research, study design, treatment allocation, randomization and stratification, quality control, sample size requirements, patient consent, and interpretation of results. Students design a clinical investigation in their own field of interest, write a proposal for it, and critique recently published medical literature.

Course Prerequisites: BST201 or ID201 or (BST202 & 203) or [BST206 & (BST207 or 208)] or PHS 2000A.

Formerly BIO214

Requirements: **Pre-requisties: BST201 or ID201 or (BST202 & 203) or [BST206 & (BST207 or 208)] or PHS2000A**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Biostatistics 215 Section: 2

Linear and Longitudinal Regression (190112)

Garrett Fitzmaurice

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 50

This course is intended for students who are already very comfortable with fundamental techniques in statistics. The course will cover methods for building and interpreting linear regression models, including statistical assumptions and diagnostics, estimation and testing, and model building techniques. These models will be extended to handle data arising from longitudinal studies employing repeated measurement of subjects over time.
When offered in Summer: Restricted to HSPH degree or PCE students.
When offered during the Academic Year: Students enrolled in the MPH-EPI program have priority enrollment in this course. MPH-GEN students will be automatically added to the waitlist. All other students must request instructor permission with priority of permission granted to students in a summer-only/ summer focused program. Students will be enrolled into the course (if space available) according to the following waves:

Wave 1: 1/5/2023 - 1/16/2023 - MPH-EPI
Wave 2: 1/17/2023 - 1/19/2023 - MPH-GEN and all other students with approved petitions

Class Notes: **Enrollment Requirements for Spring 2023:**
Students enrolled in the MPH-EPI program have priority enrollment in this course. MPH-GEN students will be automatically added to the waitlist. All other students must request instructor permission with priority of permission granted to students in a summer-only/summer focused program. Students will be enrolled into the course (if space available) according to the following waves:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH-EPI
Wave 2 | <mark>MPH-GEN and all other students with approved petitions</mark>
Wave 3 | <mark>MPH-GEN and all other students with approved petitions</mark>

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

| Requirements: | **Course Prerequisites: EPI522 or BST201 or ID201 or ID207 or BST202&203 or BST206&207 or BST206&208.** |
| | **Restriction: MPH-EPI students have priority enrollment. MPH-GEN will be automatically added to the waitlist. Others must request instructor permission** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Program Affiliation	MPH-EPI
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Biostatistics 216 Section: 1

Introduction to Quantitative Methods for Monitoring and Evaluation (190118)

Marcello Pagano

Bethany Hedt-Gauthier

2023 Spring (2.5 Credits)	**Schedule:**	MW 1130 AM - 0100 PM
Instructor Permissions: None	**Enrollment Cap:**	50

Monitoring and evaluation is concerned with assessing the quality of a program as measured against action plans, and evaluating its overall impact. This course addresses the quantitative or statistical aspects of monitoring and evaluation: what to measure, how to measure, how to analyze and how to make inference for the next steps of program implementation. The course covers quantitative components of M&E, both current and innovative methods, and complements GHP 251 which describes the conceptual framework for M&E.

Requirements:	Prerequisite: ID201 or BST201 or PHS2000A or (BST202 & BST203) or [BST206 & (BST207 or BST208)].

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO

Biostatistics 217 Section: 1

Statistical and Quantitative Methods for Pharmaceutical Regulatory Science (190134)

Marcia Testa

2023 Spring (2.5 Credits)

Schedule: TR 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 25

The goal of this course is to enable scientists and public health professionals who already have an introductory background in biostatistics and clinical trials to acquire the competencies in quantitative skills and systems thinking required to understand and participate in drug development and regulatory review processes. The course illustrates how statistical and quantitative methods are used to transform information into evidence demonstrating the safety, efficacy and effectiveness of drugs and devices over the course the product's life cycle from a regulatory perspective. Content is delivered using a blended-learning approach involving lectures, web-based media and selected case study examples derived from actual FDA decision-making and regulatory assessments to highlight and describe each phase of the regulatory drug approval process. Case studies will illustrate regulatory science in action and practice and will include content publically available from the FDA's website that can be used in conjunction with FDA science-based guidances and decision precedents.

Formerly BIO523

Requirements:	Prerequisite: PHS2000A or ID201 or BST201 or (BST202 & BST203) or [BST206 & (BST207 or BST208)]

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Biostatistics 221 Section: 1

Applied Data Structures and Algorithms (219617)

Christoph Lange

2023 Spring (5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 25

Introduction to important computational problems in biostatistics and state-of-the-art algorithms for solving them. The course focuses on the implementation of data structures and algorithms to solve problems of

practical relevance.

Class Notes: **BST 221 is the Applied section of Data Structures and Algorithms. It is not open to cross-registrants. Any non-HSPH students who are interested in this class may petition to enroll in BIOSTAT 234: Introduction to Data Structures and Algorithms (FAS). BIOSTAT 234 is the Theoretical section of Data Structures and Algorithms and is geared toward PhD students.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Not Available for Cross Registration

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Biostatistics 223 Section: 1

Applied Survival Analysis (190040)

Sebastien Haneuse

2023 Spring (5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions:	None	**Enrollment Cap:**	100

BST 223 is a course on survival analysis, or more generally time-to-event analysis, with the primary audience being graduate students pursuing a Masters degree in biostatistics or a PhD in one of the other departments at the Harvard Chan School. Covered in the course will be: an introduction to various types of censoring and truncation that commonly arise; the mathematical representations of time-to-event distributions, such as via the hazard and survivor functions; nonparametric methods such as Kaplan-Meier estimation of the survivor function and log-rank test for hypothesis testing; semi-parametric and parametric regression modeling techniques, such as the Cox model, the accelerated failure time model, the additive hazards model and cure fraction models; survival analysis within the causal inference paradigm; the analysis of competing and semi-competing risks; outcome-dependent sampling schemes, such as nested case-control and case-cohort designs; and, power/sample size calculations for studies with time-to-event endpoints. Throughout, equal emphasis will be given to the theoretical/technical underpinnings of survival analysis and to the use of real world data examples.

Course Prerequisite(s): BST210 or BST213 or BST 232 or BST 260 or PHS2000A

Course Note: lab or section times to be announced at first meeting.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | BIO SM60 / HDS SM60 / BIO SM2 / CBQG SM2
Wave 2 | EPI SD / PHS PhD (EPI) / GHP SM2 / NUT PhD (Nutritional Epidemiology) / DrPH & Wave 1
Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Prerequisite: BST210 or BST213 or BST232 or BST260 or PHS2000A.**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

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Biostatistics 226 Section: 1

Applied Longitudinal Analysis (190043)

Garrett Fitzmaurice

2023 Spring (5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   101

This course covers modern methods for the analysis of repeated measures, correlated outcomes and longitudinal data, including the unbalanced and incomplete data sets characteristic of biomedical research. Topics include an introduction to the analysis of correlated data, analysis of response profiles, fitting parametric curves, covariance pattern models, random effects and growth curve models, and generalized linear models for longitudinal data, including generalized estimating equations (GEE) and generalized linear mixed effects models (GLMMs).

Course Activities: Homework assignments will focus on data analysis in R using functions from the nlme, lme4, and geepack packages.

Course Note: Lab or section times will be announced at first meeting.

If you are planning to use a current Fall course to satisfy the prerequisites for BST 226, and you have not yet received a grade for that course, you will need to request instructor permission. Please state in your request which course you are currently taking to meet the prerequisite. Permission requests without an accompanying note will not be granted. Please note that an approved petition does not automatically enroll students into the course; students must return to my.Harvard to finalize enrollment after their petition has been approved.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | BIO SM60 / HDS SM60 / BIO SM2 / CBQG SM2

Wave 2 | EPI SD / PHS PhD (EPI) / GHP SM2 / NUT PhD (Nutritional Epidemiology) /DrPH & Wave 1

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Prerequisite: BST210 or BST213 or BST232 or BST260 or PHS2000A**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 231 Section: 1

Statistical Inference I (190048)

Rui Wang

2023 Spring (5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   10

A fundamental course in statistical inference. Discusses general principles of data reduction: exponential families, sufficiency, ancillarity and completeness. Describes general methods of point and interval parameter estimation and the small and large sample properties of estimators: method of moments, maximum likelihood, unbiased estimation, Rao-Blackwell and Lehmann-Scheffe theorems, information inequality, asymptotic relative efficiency of estimators. Describes general methods of hypothesis testing

and optimality properties of tests: Neyman-Pearson theory, likelihood ratio tests, score and Wald tests, uniformly and locally most powerful tests, asymptotic relative efficiency of tests.

Course Note: Lab or section times to be announced at first meeting; cross-listed: Harvard Chan Students must register for the Harvard Chan course.

Course Prerequisite(s): BST230

Requirements: **Prerequisite: BST230 (Concurrent Enrollment Allowed)**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Biostatistics 238 Section: 1

Advanced Topics in Clinical Trials (190055)

David Wypij

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   18

This course will focus on selected advanced topics in the design, analysis, and interpretation of clinical trials, including study design; choice of endpoints (including surrogate endpoints); interim analyses and group sequential methods; subgroup analyses; and meta-analyses.

Course Note: lab or section times to be announced at first meeting; cross-listed: Harvard Chan Students must register for the Harvard Chan course.

Class Notes: **BST 238 will meet in FXB-G11 with two exceptions. <u>On March 22 and May 1, BST 238 will meet in Kresge 202B.</u>**

Requirements: **Prerequisite: (BST214 or BST214S) and BST222. Concurrent enrollment allowed for BST214 and BST222, but not for BST214S.**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course

Biostatistics 239 Section: 1

Health Survey Samples (211186)

Marcello Pagano

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   15

To comprehend and monitor the public health, one needs to measure it. To this end, surveys are indispensable, as evidenced by the National Center for Health Statistics, within the CDC, and the surveys they carry out; the ACS, as carried out by the Census Bureau; and the powerful DHS and any number of ubiquitous health related surveys. This course is meant to expose the student to sample surveys: their theoretical underpinnings, how to design them, how to collect the data, how to analyze the data, how to judge and interpret the data, and how to make inference about the public health from the survey. It is targeted at graduate students in the biostatistics department, but qualified students from the School are welcome, as sample surveys form the basis for a large fraction of public health data.

Course Notes: Lab or section times announced at first meeting. This course requires an understanding of statistical inference and the value of a random sample. Plus a facility with programming in R, or Stata.

Requirements: **Pre-Requisite: BST 230 / BIOSTAT 230**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective

Biostatistics 241 Section: 1

Statistical Inference II (190066)

Rajarshi Mukherjee

2023 Spring (5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 10

Sequel to BST 231. Considers several advanced topics in statistical inference. Topics include limit theorems, multivariate delta method, properties of maximum likelihood estimators, saddlepoint approximations, asymptotic relative efficiency, robust and rank-based procedures, resampling methods, and nonparametric curve estimation.

Course Note: lab or section times to be announced at first meeting; cross-listed: Harvard Chan Students must register for the Harvard Chan course.

Requirements: **Prerequisites: BST231 and BST240 (previously BIO 250) or permission of instructor**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 244 Section: 1

Analysis of Failure Time Data (190059)

L. Wei

2023 Spring (5 Credits)   **Schedule:**   MW 0945 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   10

Discusses the theoretical basis of concepts and methodologies associated with survival data and censoring, nonparametric tests, and competing risk models. Much of the theory is developed using counting processes and martingale methods. Material is drawn from recent literature.

Course Prerequisite(s): BST231 and (BST 232 or BST233) and BST240 (formerly BIO250)
Course Note: lab or section times to be announced at first meeting; cross-listed: Harvard Chan Students must register for the Harvard Chan course.

Class Notes: **In Spring 1, BST 244 will meet in Kresge 502.**

                               In Spring 2, BST 244 will meet in Kresge 201.

Requirements: **Pre-requisties: BST231 and (BST 232 or BST233) and BST240 (formerly BIO250).**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 249 Section: 1

Bayesian Methodology in Biostatistics (190064)

Jeffrey Miller

2023 Spring (5 Credits)   **Schedule:**   TR 0345 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:**   5

General principles of the Bayesian approach, prior distributions, hierarchial models and modeling techniques, approximate inference, Markov chain Monte Carlo methods, model assessment and comparison. Bayesian approaches to GLMMs, multiple testing, nonparametrics, clinical trails, survival analysis.

Course Note: lab or section times to be announced at first meeting; cross-listed: Harvard Chan Students must register for the Harvard Chan course.

Requirements: **Prerequisites: BST231 and BST232 or instructor permission required**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Biostatistics 261 Section: 1

Data Science II (203514)

Santiago Romero-Brufau

2023 Spring (2.5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 50

This course is an introduction to deep learning, a branch of machine learning concerned with the construction, development, and application of neural networks. Deep learning algorithms extract layered high-level representations of data in a way that maximizes performance on a given task. We will cover a range of topics including basic neural networks, convolutional networks, and recurrent networks, and applications to problem domains like computer vision and speech recognition. Programming (Python) and case studies will be used throughout the course to provide hands-on training in these concepts.

Class Notes:
THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | SM60-HDS
Wave 2 | BIO SM1 / BIO SM2 / BIO SM60 / CBQG SM2
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:
Prerequisite: BST260

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO

Biostatistics 263 Section: 1

Statistical Learning (205330)

Brent Coull

2023 Spring (5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 50

Statistical learning is a collection of flexible tools and techniques for using data to construct prediction algorithms and perform exploratory analysis. This course will introduce students to the theory and

application of methods for supervised learning (classification and regression) and unsupervised learning (dimension reduction and clustering). Students will learn the mathematical foundations underlying the methods, as well as how and when to apply different methods. Topics will include the bias-variance tradeoff, cross-validation, linear regression, logistic regression, KNN, LDA/QDA, variable selection, penalized regression, generalized additive models, CART, random forests, gradient boosting, kernels, SVMs, PCA, and K-means. Homework will involve mathematical and programming exercises, and exams will contain conceptual and mathematical problems. Programming in R will be used throughout the course to provide hands-on training and practical examples.

Prerequisites: BST 260 or BST 210 or BST 232.

Course Note: lab or section times to be announced at first meeting.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | SM60-HDS
	Wave 2 | BIO SM1 / BIO SM2 / BIO SM60 / CBQG SM2
	Wave 3 | Open Enrollment

	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Prerequisites: BST260 or BST210 or BST232 or PHS 2000A**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course

Biostatistics 270 Section: 1

Reproducible Data Science (205561)

Viola Fanfani

John Quackenbush

2023 Spring (2.5 Credits)   **Schedule:**   MTWRF 0900 AM - 1200 PM

Instructor Permissions: None　　　**Enrollment Cap:** 25

The central theme of the course will be to meet these scientific needs of reproducible science through training in reproducible research. The topics covered in this course include the fundamentals of reproducible science, case studies in reproducible research, data provenance, statistical methods for reproducible science, and computational tools for reproducible science. This is a blended course where students are introduced to course content online through videos and reading assignments, and then discuss the content in lecture. Each student will submit a completely reproducible research project and give a short presentation at the end of the course.

Requirements:　　　**Enrollment limited to students in the Biostatistics department, including CBQG SM students.**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course

Biostatistics 272 Section: 1

Computing Environments for Biology (214542)

Curtis Huttenhower

2023 Spring (1.25 Credits)　　　**Schedule:** TR 0100 PM - 0400 PM

Instructor Permissions: None　　　**Enrollment Cap:** 30

This course provides a high-level introduction to general computing environments appropriate for biological data analysis, as preparation for more advanced computational biology and bioinformatics courses. It is intended for biologists, clinician-researchers, other bench or translational scientists, or mathematicians with little to no computational or applied quantitative experience. It provides a compressed, highly interactive, hands-on introduction to basic command line, Python, and R environments for biological data analysis and visualization. It covers basic quantitative methods that can be carried out for 'omics data analysis in these environments and ensures that students have access to local and online (i.e. grid, cloud) resources for using these tools in the future. Finally, it thoroughly introduces freely available documentation and strategies for self-learning when using computational methods for biology research.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course

Biostatistics 281 Section: 1

Genomic Data Manipulation (190119)

Eric Franzosa

Kelsey Thompson

2023 Spring (5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: None **Enrollment Cap:** 30

Introduction to genomic data, computational methods for interpreting these data, and a survey of current functional genomics research. Covers biological data processing, programming for large datasets, high-throughput data (sequencing, proteomics, expression, etc.), and related publications.
This course is targeted at students in experimental biology programs with an interest in understanding how available genomic techniques and resources can be applied in their research.

Course Notes: Lab or section times announced at first meeting.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | CBQG SM2 / BPH PhD
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **PreReq: BST 272 or BST 273**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter

Biostatistics 282 Section: 1

Introduction to Computational Biology and Bioinformatics (190123)

Martin Hemberg

Luca Pinello

2023 Spring (5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 50

Basic biological problems, genomics technology platforms, algorithms and data analysis approaches in computational biology. There will be three major components of the course: microarray and RNA-seq analysis, transcription and epigenetic gene regulation, cancer genomics.
This course is targeted at both biostatistics and biological science graduate students with some statistics and computer programming background who have an interest in exploring genomic data analysis and algorithm development as a potential future direction.

Course Note: Lab or section time to be announced at first meeting; cross-listed: HSPH student must register for HSPH course.

Course Prerequisite(s): STAT 110 and CS5O, or students in BIO, CBQG, or HDS degree programs, or permission of instructor.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | CBQG SM2
	Wave 2 | Open Enrollment
	Wave 3 | Open Enrollment

	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Prerequisite: STAT 110 and CS50, or students in BIO, CBQG, or HDS degree programs, or permission of instructor.**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Biostatistics 300 Section: 1

Independent Study (190099)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Biostatistics 300 Section: 2

Independent Study (190099)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Biostatistics 300 Section: 3

Independent Study (190099)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Biostatistics 305 Section: 1

Independent Study - CPT (220776)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Biostatistics 305 Section: 2

Independent Study - CPT (220776)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Biostatistics 305 Section: 3

Independent Study - CPT (220776)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These studies are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Biostatistics 311 Section: 1

Teaching Assistant (190102)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

Work with members of the department in laboratory instruction and the development of teaching materials.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Biostatistics 311 Section: 2

Teaching Assistant (190102)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 1

Work with members of the department in laboratory instruction and the development of teaching materials.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Biostatistics 311 Section: 3

Teaching Assistant (190102)

Brent Coull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

Work with members of the department in laboratory instruction and the development of teaching materials.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 312B Section: 1

Consultation (205672)

Marcello Pagano

2023 Spring (1.25 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 15

Work on current statistical consultation activities

Note: Students must complete both BST 312A (Fall) and BST 312B (Spring) with passing grades in order to receive credit for consulting in Biostatistics.

Requirements: **Restricted to Biostatistics doctoral students.**

Additional Course Attributes:

Attribute	Value(s)
HSPH:Year Long Course	HSPH:Year Long Course
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
Full Year Course	Indivisible Course
Course Search Attributes	Display Only in Course Search

Biostatistics 316 Section: 4

Quantitative Genomics Lab Rotation (190107)

Xihong Lin

2023 Spring (2.5 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

Only available for students in the Interdisciplinary Research Training in Biostatistics and Computational Biology program

Complete lab rotation with members of the department in quantitative genomics.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Biostatistics 316 Section: 5

Quantitative Genomics Lab Rotation (190107)

Xihong Lin

2023 Spring (2.5 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

Only available for students in the Interdisciplinary Research Training in Biostatistics and Computational Biology program

Complete lab rotation with members of the department in quantitative genomics.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Biostatistics 316 Section: 6

Quantitative Genomics Lab Rotation (190107)

Xihong Lin

2023 Spring (2.5 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

Only available for students in the Interdisciplinary Research Training in Biostatistics and Computational Biology program

Complete lab rotation with members of the department in quantitative genomics.

| Requirements: | **Students outside of HSPH must request instructor permission to enroll in this course** |

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Biostatistics 325 Section: 1

Master's Thesis and Collaborative Research Practicum (190108)

Erin Lake

Jeffrey Miller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

Limited to students in the Biostatistics SM60 program, this ordinally graded thesis and practicum will include data analyses, data interpretation, and comparison of alternative methods, and will culminate in the student's written Master's thesis and oral presentation.

Requirements: **Course Restriction: Restricted to students in the SM60-BIO Program**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Biostatistics 325 Section: 2

Master's Thesis and Collaborative Research Practicum (190108)

Erin Lake

Jeffrey Miller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

Limited to students in the Biostatistics SM60 program, this ordinally graded thesis and practicum will include data analyses, data interpretation, and comparison of alternative methods, and will culminate in the student's written Master's thesis and oral presentation.

Requirements: **Course Restriction: Restricted to students in the SM60-BIO Program**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Biostatistics 325 Section: 3

Master's Thesis and Collaborative Research Practicum (190108)

Erin Lake

Jeffrey Miller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

Limited to students in the Biostatistics SM60 program, this ordinally graded thesis and practicum will include data analyses, data interpretation, and comparison of alternative methods, and will culminate in the student's written Master's thesis and oral presentation.

Requirements: **Course Restriction: Restricted to students in the SM60-BIO Program**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Subject: Computational Biol and Quant G

Computational Biol and Quant G 325 Section: 1

CBQG Collaborative Research Thesis (190143)

John Quackenbush

Peter Kraft

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

This course provides students with valuable real-world experience doing research in Boston's premier biomedical institutions. Students are mentored by a member of the program faculty or other affiliated quantitative scientist working in clinical and epidemiological research projects at HSPH, Harvard University, or Harvard-affiliated hospitals.

The Collaborative Research Thesis will normally be undertaken during the fourth (spring) semester, after coursework has been completed. It will be presented in both oral and written form before a committee consisting of the thesis advisor and two additional program faculty. Students with a more extensive background may be permitted to undertake their thesis research during the summer following their second semester, and complete the entire program in as little as 16 months.

Students in the program must complete a 10-20 credit thesis, and so could register for this course possibly 2 to 4 times to achieve the total number of credits. Only students in this program are eligible to register for this course.

Requirements: **Course Restricted: Students in the CBQG SM2 program**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Computational Biol and Quant G 325 Section: 2

CBQG Collaborative Research Thesis (190143)

John Quackenbush

Peter Kraft

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   1

This course provides students with valuable real-world experience doing research in Boston's premier biomedical institutions. Students are mentored by a member of the program faculty or other affiliated quantitative scientist working in clinical and epidemiological research projects at HSPH, Harvard University, or Harvard-affiliated hospitals.

The Collaborative Research Thesis will normally be undertaken during the fourth (spring) semester, after coursework has been completed. It will be presented in both oral and written form before a committee consisting of the thesis advisor and two additional program faculty. Students with a more extensive background may be permitted to undertake their thesis research during the summer following their second semester, and complete the entire program in as little as 16 months.

Students in the program must complete a 10-20 credit thesis, and so could register for this course possibly 2 to 4 times to achieve the total number of credits. Only students in this program are eligible to register for this course.

Requirements: **Course Restricted: Students in the CBQG SM2 program**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Computational Biol and Quant G 325 Section: 3

CBQG Collaborative Research Thesis (190143)

John Quackenbush

Peter Kraft

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

This course provides students with valuable real-world experience doing research in Boston's premier biomedical institutions. Students are mentored by a member of the program faculty or other affiliated quantitative scientist working in clinical and epidemiological research projects at HSPH, Harvard University, or Harvard-affiliated hospitals.

The Collaborative Research Thesis will normally be undertaken during the fourth (spring) semester, after coursework has been completed. It will be presented in both oral and written form before a committee consisting of the thesis advisor and two additional program faculty. Students with a more extensive background may be permitted to undertake their thesis research during the summer following their second semester, and complete the entire program in as little as 16 months.

Students in the program must complete a 10-20 credit thesis, and so could register for this course possibly 2 to 4 times to achieve the total number of credits. Only students in this program are eligible to register for this course.

Requirements: **Course Restricted: Students in the CBQG SM2 program**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Subject: Interdepartmental

Interdepartmental 945B Section: 1

Applied Practice and Integrative Learning Experience for Quantitative Methods (205235)

Marcia Testa

2023 Spring (1.25 Credits)   **Schedule:**   T 0530 PM - 0720 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   55

QM Master of Public Health students develop a practicum project, many with collaborators from their home institutions, under the supervision of a local mentor or preceptor, and if required a member of the faculty at Harvard Chan. This practicum should include aspects of epidemiology, biostatistics, decision sciences, or other quantitative aspects of public health. Students should apply the competencies learned in core courses to an actual investigation. During Fall 1 and 2 semesters, students must attend class sessions during which the various components of the practicum and culminating experience will be described and opportunities for practicum projects will be discussed. Prior to the end of Fall 2, students must submit a written proposal for the practicum along with the approval signature of the qualified individual indicating an agreement to act as the local mentor or preceptor for the practicum project. This proposal is reviewed by the Harvard Chan course instructors. During Spring 1, students must give a brief oral presentation to the class describing their practicum activities progress. Students must also submit three written interim progress reports (Review of the Literature, Detailed Study Outline, Field Study or Expert Interview Report) during Spring 1 and one written interim progress report (Data Management/Statistical Analysis Report) during Spring 2 according to the schedule outlined in the course syllabus. As part of their required MPH "culminating experience", during Spring 2 students must submit a structured abstract which will be published in the annual MPH QM Abstract book and give a poster presentation during the scheduled MPH

QM Annual Poster Day Sessions They also must attend all Poster Day Sessions when they are not presenting and submit at least six written reviews critiquing the practicum project posters of their fellow students. Finally, all students must submit their practicum project as a final written report which would be considered suitable for publication.

Course Note: Students must attend the scheduled Fall 1, Fall 2, Spring 1 and Spring 2 classes and presentations as noted in the course syllabus.

Grade Note: ID 945 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. Students only receive a grade in ID 945 after they have completed both Part A and Part B.
At the end of the Fall term, students will receive an "IP" ("in progress") grade in ID 945A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. This means the 1.25 credits from ID 945A will not be reflected in the student's transcript when the "IP" grade is present. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from ID 945.

Requirements:	Course restricted to students in the MPH45 qualitative methods (academic year) program HSPH: ID 945A/B

Additional Course Attributes:

Attribute	Value(s)
Course Search Attributes	Display Only in Course Search
Full Year Course	Indivisible Course
HSPH:Year Long Course	HSPH:Year Long Course
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

Interdepartmental 945C Section: 1

Applied Practice and Integrative Learning Experience for Quantitative Methods (211055)

Marcia Testa

2023 Spring (2.5 Credits)

		Schedule:	TBD
Instructor Permissions:	None	**Enrollment Cap:**	20

This course allows students to extend their MPH practicum project as a continuation of ID 945B at a more advanced and intensive level. To register, students must: 1) have completed all assignments required in ID 945B as of the end of Spring 1; 2) submit an ID 945C proposal during the last two weeks of Spring 2 outlining the advanced work to be undertaken; and 3) receive approval from the ID 945C primary instructor that (1) and (2) are satisfactory. Successful completion of Assignment ID 945C Integrated Learning Experience (ILE) - #7 entitled "Additional Practicum Work Deliverable" will be required to receive a passing grade. The ILE #7 work product may include any one of the following (or combination) based upon the practicum project: a) quantitative methods summary report describing the additional data collected or analyses performed; b) professional meeting presentation involving submission and acceptance of an abstract for presentation, recording of the oral presentation or copy of the poster presentation and documentation of meeting attendance; c) documentation of a submitted manuscript of the practicum project; d) description of additional internship or experiential work in conjunction with a public health or other similar agency or health care affiliate or approved partner; and e) description of biostatistical or epidemiological methods work relating to the practicum project data. or study design Under special circumstances and with the instructor's approval, students may also choose to work on a different topic than the one previously chosen for ID945AB.

Enrollment Requirement Notes:

To qualify for enrollment into ID945C you must have completed all your ID945A and ID945B assignments due by the end of Spring 1.   If you enroll for ID945C and you have not completed all of your ID945A and ID945B assignments, you will need to finish them or drop the course by the end of the Spring 2 Add/Drop period.

Requirements: **Course restricted to students in the MPH45 qualitative methods (academic year) program HSPH: ID 945A/B**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Harvard H.T. Chan School of Public Health

Subject: Women, Gender & Health

Women, Gender & Health 300 Section: 1

Independent Study (191282)

Sydney Austin

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 10

Independent Study (191282)

Barbara Gottlieb

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 11

Independent Study (191282)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Women, Gender & Health 300 Section: 12

Independent Study (191282)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 13

Independent Study (191282)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 14

Independent Study (191282)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 15

Independent Study (191282)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 19

Independent Study (191282)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 2

Independent Study (191282)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 20

Independent Study (191282)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of

faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Women, Gender & Health 300 Section: 21

Independent Study (191282)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 22

Independent Study (191282)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 23

Independent Study (191282)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 24

Independent Study (191282)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Women, Gender & Health 300 Section: 25

Independent Study (191282)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 26

Independent Study (191282)

Nancy Krieger

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 27

Independent Study (191282)

Nancy Krieger

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 28

Independent Study (191282)

Stacey Missmer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 29

Independent Study (191282)

Stacey Missmer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 3

Independent Study (191282)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

| Instructor Permissions: | Instructor | Enrollment Cap: | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 34

Independent Study (191282)

Tamarra James-Todd

| 2023 Spring (0 Credits) | | Schedule: | TBD |
| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 35

Independent Study (191282)

Tamarra James-Todd

| 2023 Spring (0 Credits) | | Schedule: | TBD |
| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Women, Gender & Health 300 Section: 37

Independent Study (191282)

Grace Wyshak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 38

Independent Study (191282)

Grace Wyshak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 4

Independent Study (191282)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

| Instructor Permissions: | Instructor | Enrollment Cap: | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 40

Independent Study (191282)

Sabra Katz-Wise

2023 Spring (0 Credits)

| | | Schedule: | TBD |

| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 41

Independent Study (191282)

Sabra Katz-Wise

2023 Spring (0 Credits)

| | | Schedule: | TBD |

| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 44

Independent Study (191282)

Sereno Reisner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Women, Gender & Health 300 Section: 45

Independent Study (191282)

Sereno Reisner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Women, Gender & Health 300 Section: 46

Independent Study (191282)

Sereno Reisner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Women, Gender & Health 300 Section: 5

Independent Study (191282)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Women, Gender & Health 300 Section: 7

Independent Study (191282)

Brittany Charlton

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 8

Independent Study (191282)

Brittany Charlton

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Women, Gender & Health 300 Section: 9

Independent Study (191282)

Brittany Charlton

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Subject: Molecular Metabolism

Molecular Metabolism 300 Section: 1

Independent Study (190382)

Chih-Hao Lee

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Molecular Metabolism 300 Section: 2

Independent Study (190382)

Brendan Manning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Molecular Metabolism 300 Section: 3

Independent Study (190382)

Chih-Hao Lee

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt

All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Molecular Metabolism 300 Section: 4

Independent Study (190382)

Brendan Manning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt

Molecular Metabolism 300 Section: 5

Independent Study (190382)

Chih-Hao Lee

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Molecular Metabolism 300 Section: 6

Independent Study (190382)

Brendan Manning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Doctor of Public Health

Subject: Doctor of Public Health

Doctor of Public Health 215 Section: 1

Developing and Delivering Purposeful Learning for the Public Health Workforce (219883)

Sejal Vashi
David Ginnings

2023 Spring (1.25 Credits)

Schedule: T 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   10

The DrPH program prepares professionals for high-impact leadership roles in public health and health care through advanced training in foundational concepts, theories, and methods of public health; application of social and managerial sciences; and development of leadership and management skills. The program's core curriculum is designed to meet the DrPH Foundational Competencies outlined by the Council on Education for Public Health (CEPH).

Education, training, and workforce development are integral to the DrPH graduate's scope of practice. The purpose of this course is to equip DrPH students with the tools to identify learning needs and deliver high-quality educational experiences in academic, organizational, and community settings. The course is designed to meet the DrPH Foundational Competencies in the Education and Workforce Development domain: (1) Assess an audience's knowledge and learning needs, (2) Deliver training or educational experiences that promote learning in academic, organizational, or community settings; (3) Use best practice modalities in pedagogical practices The course consists of seven 90-minute sessions with a mix of didactic instruction, workshop-style discussions, and student-led presentations.

Requirements: **HSPH: DRPH**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration

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Doctor of Public Health 242B Section: 1

Leadership in Public Health: Personal Mastery II (213232)

Fawn Phelps
Cyra Dougherty

2023 Spring (2.5 Credits)

Schedule: R 0945 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   10

Leadership in Public Health: Personal Mastery Integration is an extension of the DrPH 240 course that forms the foundation of the DrPH's leadership development within the Enabling Change curriculum. The DrPH leadership development programming is rooted in understanding and applying leadership theory. This course emphasizes learning through experiential exercises and reflective practices. DrPH 242 is intended to offer ongoing theoretical and practical integration of the leadership development principles.

Class Notes: A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit **the Curriculum Center website.**

Requirements: HSPH: DRPH Students + Pre-Requisite DRPH 240

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
Full Year Course	Indivisible Course
Course Search Attributes	Display Only in Course Search
HSPH: Course Material Fee Tier	< $25
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
HSPH:Year Long Course	HSPH:Year Long Course

Doctor of Public Health 251 Section: 1

Enabling Large Scale Change (204462)

Predrag Stojicic

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 10

The Enabling Change program within the DrPH degree program is based on the belief that effective, applied, public health practitioners must be able to enable positive change within themselves, amongst their teams, inside their organizations, and across systems. For those preparing to work at scale, what applied skills, learning trajectories, frameworks, and mindsets are needed to identify synergies, foster multi-party collaborations, and coordinate work within an organization, across systems, and across sectors? How do individual actors orient themselves to this work, especially where the scale of the endeavor requires complex partnerships among entities who may evaluate success in different ways and where work typically unfolds over a long time (possibly exceeding an individual career or even life span)? This course enables DrPH students to engage with senior leaders who have led significant large-scale efforts. Each session will focus on a tripartite model of exploring a significant, complex problem (institutional transformation or achieving health equity), relevant management and performance tools (i.e. strategic planning and implementation, budget and regulatory processes, or engaging multi-stakeholder coalitions), and the leader's reflections on operating wisely (and learning from mistakes) in the context of "wicked problems." The course will also allow DrPH students to draw lessons from their own leadership engagements during the January Field Immersion. Finally, students will be introduced to a portfolio of approaches that take into account the intersection of policy and politics. For example, students will learn how to prepare for and engage in a simulated press conference and workshop personal branding and digital communications strategies.

Course Objectives
At the end of this course, students will be able to:

- **Refine personal leadership agendas and identify skill areas to shape their progression in the DrPH program, including their summer Field Immersion experiences.**
- **Integrate the synergistic efforts of the public, professionals, policymakers, and other key constituents in driving large-scale change in health issues, utilizing scientific evidence,**

stakeholder input, public opinion data, and other key sources of information.
- **Identify pathways by which individuals drive large-scale change efforts within organizations, across coalitions of organizations, and across sectors.**
- **Apply strategies towards consensus/resolution in multi-stakeholder settings and alternatives where agreement currently cannot be fostered.**

No auditing.

Requirements: **Restricted to DRPH students in year 1**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
HSPH: Indpt. Study / Research	NO

Doctor of Public Health 255 Section: 1

Team Based Field Immersion: Dynamics of Teams in Systems (Winter Term) (212826)

Jocelyn Chu

2023 Spring (1.25 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 10

Public Health and the healthcare industry are in an era of increasingly rapid change. The complexity of public health and health care issues, health care financing and operations, and intractable public health challenges call for leadership that is dynamic, thoughtful, and inclusive. Now more than ever, public health practitioners need to develop leadership skills that enable them to work across programmatic and systemic "silos" while engaging and working with diverse communities, topic experts, and other stakeholders.

DrPH 255 is a real-time dive into community-focused, public health interventions. This course integrates the development of leadership, problem solving, and teamwork skills within the completion of client-generated scopes of work. The course gives you an opportunity to get involved in the community and put your classroom theories to the test.

The course focuses on three key areas:

1. Working effectively in teams to produce a product as specified by community-focused client organizations.
2. Stakeholder engagement and cross-sector collaboration (e.g., clinicians, frontline health center and mental health staff, educators, community health workers, community organizations and residents).
3. Working effectively and authentically with diverse populations.

Requirements: **HSPH: DRPH**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Doctor of Public Health 290B Section: 1

DrPH Doctoral Seminar (205229)

Gillian Christie

Emma-Louise Aveling

2023 Spring (1.25 Credits)

Schedule:	R 0530 PM - 0700 PM
Instructor Permissions: Instructor	**Enrollment Cap:** 10

The DrPH Doctoral Project Seminar is required for all DrPH second-year students. Its objective is to guide DrPH students through a structured and collaborative approach in support of the development of their third year Doctoral Project, culminating in the presentation of a Doctoral Project approach in the last part of the seminar.

The seminar will run in two phases: DRPH 290A in Fall 2 and DPH 290B in Spring. In Fall 2, students will prepare for the development of their Doctoral Project ideas, a thorough review of the goals, guidance, and outputs required of the project. In Spring 1, students will focus on finalizing their Doctoral Project. The seminar will include guidance on the development of proposals and effective proposal presentation. In Spring 2, students will deliver a presentation on their Doctoral Project proposal in preparation for their Oral Qualifying Exam.

Requirements: Restricted to second year students in the DRPH program

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
HSPH:Year Long Course	HSPH:Year Long Course
eForm Autosubmitter	Auto Submitter
Course Search Attributes	Display Only in Course Search
Full Year Course	Indivisible Course

Doctor of Public Health 301 Section: 1

Independent Study (205548)

Richard Siegrist

2023 Spring (0.25 Credits)

Schedule:	TBD
Instructor Permissions: Instructor	**Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Doctor of Public Health 301 Section: 2

Independent Study (205548)

Richard Siegrist

2023 Spring (0.25 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Doctor of Public Health 301 Section: 3

Independent Study (205548)

Richard Siegrist

2023 Spring (0.25 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES

Doctor of Public Health 301 Section: 4

Independent Study (205548)

Richard Siegrist

2023 Spring (0.25 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Doctor of Public Health 350 Section: 1

Doctoral Project (Residence) (203349)

Richard Siegrist

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Doctor of Public Health 350 Section: 2

Doctoral Project (Residence) (203349)

Nancy Turnbull

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
Course Evaluation	Course Evaluation Exempt

Doctor of Public Health 350 Section: 3

Doctoral Project (Residence) (203349)

Laurie Pascal

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Not Available for Cross Registration
Course Evaluation	Course Evaluation Exempt

Doctor of Public Health 350 Section: 4

Doctoral Project (Residence) (203349)

Margaret Kruk

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Doctor of Public Health 350 Section: 5

Doctoral Project (Residence) (203349)

Kasisomayajula Viswanath

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Not Available for Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Doctor of Public Health 400 Section: 1

Doctoral Project (Non-Resident) (203350)

Richard Siegrist

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration

Doctor of Public Health 400 Section: 2

Doctoral Project (Non-Resident) (203350)

Nancy Turnbull

2023 Spring (15 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course

Doctor of Public Health 400 Section: 3

Doctoral Project (Non-Resident) (203350)

Laurie Pascal

2023 Spring (15 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Not Available for Cross Registration

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Doctor of Public Health 400 Section: 4

Doctoral Project (Non-Resident) (203350)

Margaret Kruk

2023 Spring (15 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Doctor of Public Health 400 Section: 5

Doctoral Project (Non-Resident) (203350)

Kasisomayajula Viswanath

2023 Spring (15 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

These two credit bearing courses, are the primary vehicle for which DRPH students will earn credits for completing their Doctoral Projects. Students will be expected to register for 15 credits of DRPH 350 OR DRPH 400 during the summer and 20 credits during the Fall and Spring to maintain their full-time student status at the School. Students will be expected to register for a section of DRPH 350 OR DRPH 400 that corresponds to their resident status (resident versus non-resident) and their committee chair/advisor.

Requirements: **HSPH: Passed DRPH Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
Course Evaluation	Course Evaluation Exempt

Subject: Environmental Health

Environmental Health 208 Section: 1

Pathophysiology of Human Disease (190169)

Nancy Long Sieber
Kristopher Sarosiek

2023 Spring (5 Credits)

Schedule:		MW 0200 PM - 0330 PM
Instructor Permissions:	None	**Enrollment Cap:** 25

Surveys major human disease problems in the cardiovascular, respiratory, hematopoietic, reproductive and gastrointestinal systems. Emphasis on understanding the pathophysiologic basis of common disease manifestations and the pathogenesis of the disease process. Relevant public health perspectives on the epidemiology or control of diseases are also integrated.

Course Note: Cross-listed course, HSPH students must register for HSPH course. Prior coursework in normal physiology is recommended but not mandatory

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

<u>Priority Wave Groups</u>
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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<u>Priority Wave Timing</u>
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course

Environmental Health 212 Section: 1

Food and the Global Environment (204507)

Gary Adamkiewicz

2023 Spring (2.5 Credits)

Schedule: M 0345 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:**   60

In this course, we will explore the development of our modern food production and distribution system and its effects on our environment and planet. To explore the opportunities for and challenges to achieving a sustainable food system, we will critically review published studies and other assessments that evaluate the environmental and social impact of food-related products and processes. The course will cover such topics as: agricultural and food policy, industrialization and "factory" farming, the interrelationship between climate change and food production, water quality and scarcity, the role of technology in food production and other relevant topics. The course will be taught through a series of lectures, case studies and readings that highlight recent research and trends. We will apply life cycle assessment concepts and appropriate sustainability criteria and benchmarking to current questions surrounding our global food system, and will incorporate observations from the developed and developing world. The course will emphasize the methodologies and skills needed to critically assess the sustainability of various food products and practices.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration

HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Environmental Health 231 Section: 1

Occupational Health Policy and Administration (190172)

Carolyn Langer

2023 Spring (2.5 Credits)

Schedule: M 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 28

Examines the legal, regulatory and economic foundations of occupational health activities in the United States. Discusses the roles of government, unions, corporations, and research organizations. Helps students acquire an understanding of management functions in corporations.

Course Activities: Students develop the necessary knowledge and skills in the above areas to apply medico-legal and risk management principles to achieve a healthful workplace.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 1: School-Wide Core Requirement
HSPH: Indpt. Study / Research	NO

Environmental Health 232 Section: 1

Introduction to Occupational and Environmental Medicine (190173)

Stefanos Kales

Justin Yang

2023 Spring (2.5 Credits)

Schedule:	F 0800 AM - 0930 AM

Instructor Permissions: None **Enrollment Cap:** 35

Overview of Occupational and Environmental Medicine including: the diagnosis and management of illnesses following exposure to specific workplace substances, environmental and community hazards, such as asbestos, lead, organic solvents, and vibration; methods of diagnosis of early organ system effects of chemicals and techniques for assessing impairment and disability; as well as, medicolegal aspects of occupational health.

Course Activities: Mid-term exam and Final exam.

Course Note: Basic course in toxicology recommended.

This is a clinical and preventive medicine course. The material is taught at a post-graduate level, and a medical or allied health background is required. The majority of students will be physicians, nurses, dentists, pharmacists and students in those fields. Persons without prior biomedical training may NOT take the class for an ordinal grade. Such students are welcome to audit the class. In certain exceptions, if discussed with the instructors, such students may be granted permission by the instructors to take the course on a pass/fail basis.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | EH Department Students
	Wave 2 | Open Enrollment
	Wave 3 | Open Enrollment

	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 1: School-Wide Core Requirement
HSPH: Indpt. Study / Research	NO

Environmental Health 236 Section: 1

Epidemiology of Environmental & Occupational Health Regulations (190175)

Gregory Wagner

David Wegman

Anna Iokheles

2023 Spring (5 Credits)

Schedule: F 0945 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 16

Provides students with the opportunity to review the epidemiologic basis for associating selected occupational and environmental exposures with health outcomes and to explore how this science might be used to develop and implement regulation of these exposures. Class sessions are divided between a critical evaluation of the science and a thoughtful engagement with how the science can inform policy. Several sessions include guest experts who have worked at the interface of science and policy.

Course Activities: Discussions based on selected epidemiologic studies and potential policy to address each problem.

Course Note: Any EH course required as a pre-requisite or concurrent requisite.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: Prerequisites: Any EH Course (Concurrent Enrollment Allowed)

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Environmental Health 252 Section: 1

High Performance Buildings for Health, Comfort and Sustainability (190181)

Joseph Allen

2023 Spring (5 Credits)

Schedule: W 0800 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   12

It is well-known and oft-repeated in environmental health circles that we spend 90% of time indoors. Because this constitutes the vast majority of our exposure time, and concentrations of many indoor pollutants are actually higher indoors than outdoors, it follows logically that indoor environments influence our health. Buildings have the potential for both positive and negative impacts on this indoor exposure, and can mitigate the burden of outdoor pollutants indoors. Over 40 years of research on the indoor environment has yielded many insights into building-related factors that influence health, well-being, and productivity. To meet challenges related to energy and materials, while simultaneously providing healthy indoor environments, buildings must incorporate sustainability criteria into every aspect of design, construction and operation. By definition, green buildings focus on minimizing impacts to the environment through reductions in energy usage, water usage, and minimizing environmental disturbances from the building site. Also by definition, but perhaps less widely recognized, green buildings aim to improve human health through design of healthy indoor environments. This class will cover basic principles of high performance building design, construction and operation, and impacts on indoor environmental quality, including chemical exposures, light, noise and thermal comfort. One class each week will be dedicated to lectures on these topics, with case studies and experiences from building practitioners that have successfully incorporated sustainability features in historic and contemporary structures. We will also have guests from across the university (Harvard T.H. Chan School of Public Health, Graduate School of Design, Harvard Medical School, Harvard University Office of Sustainability). The concepts presented in lectures will be reinforced in the second class each week with field trips, advanced modeling seminars and hands-on measurements of indoor environmental parameters. This course will be a requirement for the planned MPH65 degree track program in Sustainability and Environmental Management.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add

themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health 257 Section: 1

Water Pollution (190186)

Ronnie Levin

2023 Spring (5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 68

This seminar course is designed to teach an understanding of the basic principles of water pollution and water pollution issues on local, regional and global scales. The course will begin with a discussion of the basic chemical, physical and biological properties of water and water contaminants. Subsequent lectures will cover specific chemical and biological contaminants in ground, surface, and marine waters; sources, fate, transport, and transformation of contaminants; monitoring techniques, water source protection and resource management; water and wastewater treatment; transmission of waterborne disease; toxicological concerns of chemicals in water, including disinfection byproducts; and interactions with the air and land environments. Invited lecturers will cover issues such as harmful algal blooms, groundwater modeling, coastal zone management, and US regulatory approaches and policies for aquatic ecosystem protection. Course Activities: Class discussions, homework assignments, exams and final project.

Course Activities: Class discussions, homework assignments, exams and final project.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

<u>**Priority Wave Groups**</u>
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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<u>**Priority Wave Timing**</u>
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO

Environmental Health 271 Section: 1

Environmental Health in The Eastern Mediterranean Region (221692)

Petros Koutrakis

Stefania Papatheodorou

Barrak Alahmad

2023 Spring (2.5 Credits)   **Schedule:**   MTWRF 1000 AM - 1200 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   10

This winter session travel course will introduce students to the intersections of climate change, air quality and health for populations in the Eastern Mediterranean region. Students will apply epidemiological tools to examine environmental exposures and health vulnerabilities that are unique to this region.

The course will be in collaboration with academic institutions of the region such as the University of Nicosia and University of Cyprus. Students will travel to Cyprus to participate in in-person workshops and field trips, present findings and engage in case-based discussions with local professionals and researchers from the Eastern Mediterranean region who are experts in wildfires, earthquakes, heat, and dust storms.

This course is based on field participation and final project presentation. Eligible Masters students may conduct further independent studies towards using the final project as their thesis. Students will be paired with one mentos from Harvard T.H. Chan School of Public Health and mentors from the local Universities as they write papers of publishable quality.

This course is offered for eligible EH Masters students in the Cyprus Internship Program.

| Requirements: | Class is restricted to Environmental Health Master of Science students. |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Winter Session	Winter Session
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective

Environmental Health 286 Section: 1

Environmental Health Literacy and Science Communication (221643)

Tamarra James-Todd

Kathryn Tomsho

2023 Spring (2.5 Credits)

Schedule: MTWRF 0900 AM - 1200 PM

Instructor Permissions: None

Enrollment Cap: 25

Science communication provides a way to transmit scientific ideas, methods, knowledge, and research to lay audiences in an understandable and useful way. In environmental health, ensuring that information is communicated effectively requires environmental health literacy on the part of the practitioner and in the communication of the scientific content. With this, environmental health literacy (EHL) is a critically important area of interest within the environmental health sciences. It generally refers to the ways in which people make sense of environmental contaminants and their potential impacts on health. This course will provide formal definition, as well as quantitative and qualitative measurement tools utilized in this emerging area of study that intersects environmental health with implementation, effectiveness, and dissemination science. Some of the key concepts that will be discussed in this course are risk communication, health literacy, and numeracy. Furthermore, students will learn the principles for how to communicate environmental health science in a way that is equitable, rigorous, and accessible for the public based on principles of EHL.

Through this class, we will explore the subdomains relevant to EHL, including health communication, health literacy, risk communication, and environmental literacy. Students will gain an understanding of graphicacy, numeracy, and literacy, and how each of those skill sets influences environmental health literacy, as well as their impact on scientific communications. They will also gain experience assessing scientific communications for accessibility and leave with the ability to identify barriers and facilitators to accessible environmental communications.

Students of this course should have a strong background in environmental health sciences training. Prior experience with health literacy or health communication is not required.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Winter Session	Winter Session
HSPH: Course Material Fee Tier	< $25

Environmental Health 291 Section: 1

Community Practice in Environmental Health (221644)

Gary Adamkiewicz

Ann Backus

2023 Spring (5 Credits)

Schedule: F 0800 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 25

The purpose of this course is to introduce students to the complexities of and best practices for community engaged/action research and collaboration. Students will integrate skills and knowledge from their environmental health training to address community interests/needs. Students will work with a member of a non-academic partner organization and will complete a formal project report/presentation, as well as reflect on their experience throughout the semester.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective

Environmental Health 297 Section: 1

Atmospheric Environment (190215)

Petros Koutrakis

Steven Hanna

2023 Spring (5 Credits)

Schedule: WF 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 30

This course offers a comprehensive overview of gaseous and particulate air pollutants. It will emphasize pollutant sources, physical and chemical properties, sampling and analysis, chemical transformation, atmospheric transport, fate, and potential for adverse health and environmental impacts. It will examine regulatory efforts to protect environmental health and emission control technologies for mobile and stationary sources, Lectures will present case studies on air pollution studies in US and other courses. Students will also learn to apply positive matrix factorization (PMF) to air pollution data and how to model pollutant dispersion using the AERMOD modeling system. In addition to mid-term and final examinations, the class includes several homework assignments and computer laboratories.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – **1/16/2023 11:59PM**
Wave 2 | 1/17/2023 12:00AM – **1/19/2023 11:59PM**
Wave 3 | 1/20/2023 12:00AM – **Enrollment Deadline (varies by session)**

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO

Environmental Health 300 Section: 1

Independent Study (190217)

Zhi-Min Yuan

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 10

Independent Study (190217)

Phil Demokritou

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 100

Independent Study (190217)

Eileen McNeely

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 101

Independent Study (190217)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

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Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health **300** Section: 102

Independent Study (190217)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 103

Independent Study (190217)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of

faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 105

Independent Study (190217)

Bernardo Lemos

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 106

Independent Study (190217)

Bernardo Lemos

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological

health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 107

Independent Study (190217)

Bernardo Lemos

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 108

Independent Study (190217)

Jaime Hart

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 109

Independent Study (190217)

Jaime Hart

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 11

Independent Study (190217)

Phil Demokritou

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

| All: Cross Reg Availability | Available for Harvard Cross Registration |
| HSPH: Indpt. Study / Research | YES |

Environmental Health 300 Section: 110

Independent Study (190217)

Jaime Hart

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 111

Independent Study (190217)

Zachary Nagel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 112

Independent Study (190217)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 113

Independent Study (190217)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 114

Independent Study (190217)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 118

Independent Study (190217)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 119

Independent Study (190217)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 12

Independent Study (190217)

Phil Demokritou

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 120

Independent Study (190217)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 121

Independent Study (190217)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 123

Independent Study (190217)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 128

Independent Study (190217)

Tamarra James-Todd

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 129

Independent Study (190217)

Tamarra James-Todd

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 13

Independent Study (190217)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 130

Independent Study (190217)

Nancy Long Sieber

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health **300** Section: 131

Independent Study (190217)

Gary Adamkiewicz

2023 Spring (0 Credits)

	Schedule:	TBD
Instructor Permissions: Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health **300** Section: 132

Independent Study (190217)

Gary Adamkiewicz

2023 Spring (0 Credits)	**Schedule:**	TBD
Instructor Permissions: Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health **300** Section: 133

Independent Study (190217)

Gary Adamkiewicz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 134

Independent Study (190217)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 135

Independent Study (190217)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 136

Independent Study (190217)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 14

Independent Study (190217)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health **300** Section: 140

Independent Study (190217)

Andrea Bellavia

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 141

Independent Study (190217)

Carmen Messerlian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 142

Independent Study (190217)

Carmen Messerlian

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 143

Independent Study (190217)

Carmen Messerlian

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 15

Independent Study (190217)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 16

Independent Study (190217)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 17

Independent Study (190217)

Douglas Dockery

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule:	TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 18

Independent Study (190217)

Douglas Dockery

2023 Spring (0 Credits)

Schedule:	TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 19

Independent Study (190217)

John Evans

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 2

Independent Study (190217)

Zhi-Min Yuan

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 20

Independent Study (190217)

John Evans

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 21

Independent Study (190217)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 22

Independent Study (190217)

Jeffrey Fredberg

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 23

Independent Study (190217)

Jeffrey Fredberg

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 24

Independent Study (190217)

Jeffrey Fredberg

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 25

Independent Study (190217)

Zachary Nagel

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 26

Independent Study (190217)

Zachary Nagel

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

| ALL: Exclude from Canvas Feed | Exclude from Canvas Feed |
| All: Cross Reg Availability | Available for Harvard Cross Registration |

Environmental Health 300 Section: 27

Independent Study (190217)

Zachary Nagel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 28

Independent Study (190217)

Diane Gold

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 29

Independent Study (190217)

Diane Gold

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 3

Independent Study (190217)

Zhi-Min Yuan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 30

Independent Study (190217)

Diane Gold

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health **300** Section: 31

Independent Study (190217)

Rose Goldman

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 32

Independent Study (190217)

Rose Goldman

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 33

Independent Study (190217)

Rose Goldman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 34

Independent Study (190217)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 35

Independent Study (190217)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule:　　　TBD

Instructor Permissions:　　Instructor　　　**Enrollment Cap:**　　n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 36

Independent Study (190217)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule:　　　TBD

Instructor Permissions:　　Instructor　　　**Enrollment Cap:**　　n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 37

Independent Study (190217)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 38

Independent Study (190217)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 39

Independent Study (190217)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 4

Independent Study (190217)

Jin-Ah Park

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 40

Independent Study (190217)

Francine Laden

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 41

Independent Study (190217)

Francine Laden

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 42

Independent Study (190217)

Francine Laden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 46

Independent Study (190217)

Antonella Zanobetti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 47

Independent Study (190217)

Antonella Zanobetti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 48

Independent Study (190217)

Antonella Zanobetti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 49

Independent Study (190217)

Quan Lu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 5

Independent Study (190217)

Samuel Myers

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 50

Independent Study (190217)

Quan Lu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 51

Independent Study (190217)

Quan Lu

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 58

Independent Study (190217)

Joel Schwartz

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

| HSPH: Indpt. Study / Research | YES |
| ALL: Exclude from Canvas Feed | Exclude from Canvas Feed |

Environmental Health **300** Section: 59

Independent Study (190217)

Joel Schwartz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health **300** Section: 6

Independent Study (190217)

Diane Gold

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 60

Independent Study (190217)

Joel Schwartz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 61

Independent Study (190217)

Adam Haber

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 62

Independent Study (190217)

Adam Haber

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 63

Independent Study (190217)

Adam Haber

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 64

Independent Study (190217)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 65

Independent Study (190217)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 69

Independent Study (190217)

Elsie Sunderland

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 7

Independent Study (190217)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 70

Independent Study (190217)

Elsie Sunderland

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health **300** Section: 71

Independent Study (190217)

Elsie Sunderland

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health **300** Section: 72

Independent Study (190217)

John Spengler

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

| All: Cross Reg Availability | Available for Harvard Cross Registration |
| HSPH: Indpt. Study / Research | YES |

Environmental Health 300 Section: 73

Independent Study (190217)

Tamarra James-Todd

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 75

Independent Study (190217)

Marc Weisskopf

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 77

Independent Study (190217)

Marc Weisskopf

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 78

Independent Study (190217)

Marc Weisskopf

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 8

Independent Study (190217)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 82

Independent Study (190217)

Russ Hauser

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 300 Section: 83

Independent Study (190217)

Russ Hauser

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 84

Independent Study (190217)

Russ Hauser

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 85

Independent Study (190217)

Scott Weiss

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air

pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 86

Independent Study (190217)

Scott Weiss

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 3: Essential Course

Environmental Health 300 Section: 87

Independent Study (190217)

Scott Weiss

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 9

Independent Study (190217)

David Christiani

2023 Spring (0 Credits)　　　　　　　　　　**Schedule:**　　　　TBD

Instructor Permissions:　　　Instructor　　　**Enrollment Cap:**　　　n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 300 Section: 91

Independent Study (190217)

Stefanos Kales

2023 Spring (0 Credits)　　　　　　　　　　**Schedule:**　　　　TBD

Instructor Permissions:　　　Instructor　　　**Enrollment Cap:**　　　n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 92

Independent Study (190217)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 93

Independent Study (190217)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 97

Independent Study (190217)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 300 Section: 98

Independent Study (190217)

Eileen McNeely

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 300 Section: 99

Independent Study (190217)

Eileen McNeely

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Opportunities are provided for independent studies in the fields of aerosol technology, air pollution control, environmental health management, environmental epidemiology, environmental microbiology, industrial hygiene and ventilation, nuclear medicine, occupational medicine, radiological health, respiratory biology, respiratory epidemiology, injury epidemiology, ergonomics, and solid waste management.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 0

Research (190222)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 1

Research (190222)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 10

Research (190222)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 101

Research (190222)

Phil Demokritou

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 102

Research (190222)

Phil Demokritou

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 103

Research (190222)

Phil Demokritou

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 104

Research (190222)

Samuel Myers

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration

Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 105

Research (190222)

Samuel Myers

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 106

Research (190222)

Samuel Myers

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 11

Research (190222)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 12

Research (190222)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 124

Research (190222)

Elsie Sunderland

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 125

Research (190222)

Elsie Sunderland

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 126

Research (190222)

Elsie Sunderland

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 127

Research (190222)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 128

Research (190222)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 129

Research (190222)

Joseph Allen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 13

Research (190222)

Zhi-Min Yuan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 130

Research (190222)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 131

Research (190222)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 132

Research (190222)

Maitreyi Mazumdar

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 133

Research (190222)

Bernardo Lemos

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 134

Research (190222)

Tamarra James-Todd

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 135

Research (190222)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 136

Research (190222)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 137

Research (190222)

Peter James

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 138

Research (190222)

Shruthi Mahalingaiah

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 139

Research (190222)

Shruthi Mahalingaiah

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 14

Research (190222)

Zhi-Min Yuan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 140

Research (190222)

Shruthi Mahalingaiah

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 141

Research (190222)

Shruthi Mahalingaiah

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 142

Research (190222)

Carmen Messerlian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 143

Research (190222)

Carmen Messerlian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

| Course Evaluation | Course Evaluation Exempt |

Environmental Health 350 Section: 144

Research (190222)

Carmen Messerlian

2023 Spring (0 Credits)

Schedule:　　　　TBD

Instructor Permissions:　　Instructor

Enrollment Cap:　　n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements:　　　　**Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 15

Research (190222)

Zhi-Min Yuan

2023 Spring (0 Credits)

Schedule:　　　　TBD

Instructor Permissions:　　Instructor

Enrollment Cap:　　n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements:　　　　**Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 17

Research (190222)

Diane Gold

2023 Spring (0 Credits)

Schedule:　　　　TBD

Instructor Permissions:　　Instructor

Enrollment Cap:　　n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 18

Research (190222)

Diane Gold

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 19

Research (190222)

Russ Hauser

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 2

Research (190222)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 20

Research (190222)

Russ Hauser

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 21

Research (190222)

Russ Hauser

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 22

Research (190222)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 23

Research (190222)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health 350 Section: 24

Research (190222)

Susan Korrick

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 25

Research (190222)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 26

Research (190222)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 27

Research (190222)

Petros Koutrakis

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 28

Research (190222)

Francine Laden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 29

Research (190222)

Francine Laden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 3

Research (190222)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 30

Research (190222)

Francine Laden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 31

Research (190222)

Zachary Nagel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements:　　　　　　**Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 32

Research (190222)

Zachary Nagel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements:　　　　　　**Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 33

Research (190222)

Zachary Nagel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements:　　　　　　**Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 34

Research (190222)

Eileen McNeely

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 35

Research (190222)

Eileen McNeely

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 36

Research (190222)

Eileen McNeely

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 37

Research (190222)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health 350 Section: 38

Research (190222)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 39

Research (190222)

Kristopher Sarosiek

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 4

Research (190222)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 43

Research (190222)

Joel Schwartz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health 350 Section: 44

Research (190222)

Joel Schwartz

2023 Spring (0 Credits)

Schedule:	TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 45

Research (190222)

Joel Schwartz

2023 Spring (0 Credits)

Schedule:	TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 49

Research (190222)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 5

Research (190222)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 50

Research (190222)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health **350** Section: 51

Research (190222)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health **350** Section: 58

Research (190222)

Marc Weisskopf

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health **350** Section: 59

Research (190222)

Marc Weisskopf

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 6

Research (190222)

Jack Dennerlein

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 60

Research (190222)

Marc Weisskopf

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 67

Research (190222)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 68

Research (190222)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 350 Section: 69

Research (190222)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 7

Research (190222)

Gary Adamkiewicz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 71

Research (190222)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Environmental Health 350 Section: 72

Research (190222)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 73

Research (190222)

Stefanos Kales

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 350 Section: 8

Research (190222)

Bernardo Lemos

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 97

Research (190222)

Jaime Hart

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 350 Section: 98

Research (190222)

Jaime Hart

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course

Environmental Health 350 Section: 99

Research (190222)

Jaime Hart

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 400 Section: 1

Non-Resident Research (190223)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Environmental Health 400 Section: 10

Non-Resident Research (190223)

Diane Gold

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

| Course Evaluation | Course Evaluation Exempt |

Environmental Health 400 Section: 11

Non-Resident Research (190223)

John Spengler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 400 Section: 13

Non-Resident Research (190223)

David Christiani

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Environmental Health 400 Section: 2

Non-Resident Research (190223)

Douglas Dockery

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Environmental Health 400 Section: 3

Non-Resident Research (190223)

Douglas Dockery

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 400 Section: 4

Non-Resident Research (190223)

John Evans

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 400 Section: 5

Non-Resident Research (190223)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Environmental Health 400 Section: 6

Non-Resident Research (190223)

John Evans

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work on the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Environmental Health 508 Section: 1

Master's Thesis and Collaborative Research in Environmental Health (204464)

Francine Laden
Jaime Hart
Ernani Choma

2023 Spring (5 Credits)

Schedule: W 0345 PM - 0700 PM

Instructor Permissions: None

Enrollment Cap: 30

The objective of the practicum is to allow Environmental Health Masters of Science students to integrate

what they have learned and apply this knowledge in the evaluation of a problem of importance.

You must first develop a proposal for an independent research project, with an identified faculty member as an approved advisor for this project. The advisor could be one of the course instructors, but generally involves other faculty members at the Harvard Chan School.

The project must be well-defined, well-executed, must demonstrate knowledge of the chosen area of research, and should clearly describe the findings in the scope of the wider literature. Given the relatively short amount of time available for completion of the thesis, a clear presentation of gaps in your current work and potential future directions may be as important as the analysis itself.

Registration Note: Restricted to second year EH-SM2 students.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | EH Department Students
	Wave 2 | Open Enrollment
	Wave 3 | Open Enrollment
	--
	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Course Restricted: 2nd Year EH SM2 Students**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Environmental Health 513 Section: 1

Interdisciplinary Training in Pumonary Sciences, Part II (190230)

Quan Lu

2023 Spring (2.5 Credits)		**Schedule:**	T 0945 AM - 1045 AM
			F 0101 PM - 0200 PM
Instructor Permissions:	Instructor	**Enrollment Cap:**	20

The intersection of environment and health is by necessity an interdisciplinary focus. The most promising advances in lung biology and respiratory disease are resulting from teams of scientists with diverse disciplinary training, including biology, medicine, engineering, and physics. In addition to a strong foundation in a specific discipline, the ability to recognize and act upon opportunities presented by outside disciplines is a crucial skill. This course is designed to train scientists to approach lung biology and respiratory diseases with an interdisciplinary perspective, in particular by bridging the gap between life sciences and physical/engineering sciences. With a focus on laboratory sciences and on mechanistic levels of understanding, course materials will cover 3 main problem areas: asthma, air pollution, and lung infection. The course consists of weekly course-meetings (lectures and case-studies) plus weekly research seminars from the physiology program. Students will gain skills in recognizing the relative strengths and weaknesses of different disciplinary approaches applied to pulmonary sciences, in designing interdisciplinary experiments effectively, and in interpreting interdisciplinary results critically.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO

Environmental Health 516 Section: 1

Environmental Genetics (190232)

Pierre Zalloua

2023 Spring (2.5 Credits)   **Schedule:**   MTWRF 0100 PM - 0400 PM

Instructor Permissions: None   **Enrollment Cap:**   20

Lectures, case studies. 3 hours per day during Winter Session. The interaction between genes and environmental and/or occupational exposures plays a major role in disease development. This course will focus on the underlying science of gene-exposure interactions and will use examples of such interactions and their health consequences. Gene-environment interactions will be discussed using an epidemiologic approach to address how genetic polymorphisms can influence susceptibility to disease. This course will enable students to understand and apply findings of genetic association studies and will consist of detailed evaluation of specific examples of gene-exposure interactions and their health consequences, as well as their social implications.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration

Environmental Health 520 Section: 1

Research Design in Environmental Health (190234)

Joel Schwartz

2023 Spring (2.5 Credits)   **Schedule:**   F 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   20

The seminars consist of student presentation of plans for collection and analysis of data, with discussion by students and faculty. Preparatory work is done under tutorial arrangements with members of the faculty. The emphasis is on conceptual issues necessary for the development of a feasible and informative study.

Course Activities: Individual student paper and presentation, class discussion, oral critique of another student's research proposal and student and faculty critiques.

Course Note: This course is aimed primarily at environmental health doctoral students.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a

Requirements: Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Environmental Health 525 Section: 1

Environmental Justice: Concepts and Practice (219615)

Tamarra James-Todd

Gary Adamkiewicz

Zachary Nagel

2023 Spring (2.5 Credits)

Schedule: M 0800 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 30

The purpose of this course is to introduce the topic of environmental justice as it relates to public health. It has been developed to be accessible to a broad audience including those with backgrounds in environmental health, epidemiology, basic sciences, social and behavioral sciences, and health policy. Topics will include fundamental principles and frameworks, social and biological mechanisms underlying environmental health disparities; methods for assessing and measuring the disproportionate burden of harmful environmental effects borne by some communities as a consequence (of racism and other forms of) discrimination; the practice of environmental justice as a framework for guiding the approach to reducing environmental health disparities; and strategies for effective community-based participatory research; development of action-oriented research strategies to lessen environmental health disparities; and translation of research findings for the purpose of science communication and implementation. The course format will include discussions of case studies and guest lectures from leading figures in the field.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Winter Session	Winter Session
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Environmental Health 550 Section: 2

Special Topics in Environmental Health (207083)

John Spengler

Ramon Sanchez Pina

2023 Spring (2.5 Credits)

Schedule: F 1200 PM - 0300 PM

Instructor Permissions: None

Enrollment Cap: 20

Special Topics in Environmental Health.

See class notes for course description.

Topic:	**Climate Change Preparedness**
Class Notes:	**Sustainable Innovation Driven by Climate Change Preparedness and the UN Sustainable Development Goals**

Global crises like pandemics, climate change, and poverty eradication require immediate attention to reduce health, environmental and economic threats that hinder widespread and equitable development. For that reason, professionals in every field of knowledge should become agents of change that empower people worldwide by sharing knowledge and developing skills in sustainable practices and technologies, climate change preparedness, social entrepreneurship, and the process of creating positive startups to implement sustainable and social innovation to help in achieving the United Nations' Sustainable Development Goals (UN SDGs). This course will examine the relationship between Climate Change Preparedness, UN SDGs, community problems, and current sustainable and social solutions to serve as a starting point for developing new solutions that might serve as the business or social cases to conceive and fund startups in health, sustainability or social ventures. Students in this class will acquire knowledge and develop skills to create business plans and social value propositions to pitch to potential angel investors, venture capitalists, venture philanthropists, foundations, private banks, international financial institutions, etc. Some of the main topics for this course are the origins and adverse effects of climate change, assessment of community vulnerability and enhancement of regional resiliency (Climate Change Preparedness), principles for sustainable product design, intellectual property strategies, analysis of for-profit and social business models, assessment of carbon and environmental footprints, health impact assessment for energy and sustainable technologies and how to deliver an effective business pitch to potential investors

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Environmental Health 945S Section: 1

Applied Practice and Integrative Learning Experience for Occupational and Environmental Health (211121)

Stefanos Kales

Justin Yang

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None   **Enrollment Cap:**   10

EH 945S is a degree requirement for students the 45-credit MPH program in the Occupational and Environmental Health field of study. Together with ID 263, this course fulfills the practicum requirement.

Students in the Master of Public Health program are required to develop and conduct a supervised project (practicum) addressing a clinical or public health question of interest. The practicum is arranged by the student on an individual basis with a host organization and may include any aspect of occupational and environmental health and safety. The expected time commitment is 120 hours. Students work with a host organization under the supervision of a preceptor (site supervisor) for their practicum and are expected to arrange the details of their practicum with the preceptor and obtain guidance and feedback throughout the project. Students submit a brief proposal (the Learning Agreement) which must be approved by the preceptor and the course instructor prior to starting their practicum work. The course culminates with an on-campus presentation of the results of the practicum in Spring 2. The course does not have formal meeting times, as students are expected to meet with the course instructor independently to develop the practicum project and then at the end of the course for the presentation.

Requirements: **Course restricted to students in the MPH-45 OEH Field of Study**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Subject: Interdepartmental

Interdepartmental 215 Section: 1

Environmental and Occupational Epidemiology (190751)

Marc Weisskopf

Tamarra James-Todd

2023 Spring (2.5 Credits)   **Schedule:**   W 0200 PM - 0330 PM

| **Instructor Permissions:** | None | **Enrollment Cap:** | 68 |

This course examines application of epidemiologic methods to environmental and occupational health problems. Objectives are to review methods used in evaluating the health effects of physical and chemical agents in the environment, to review available evidence on the health effects of such exposures, and to consider policy questions raised by the scientific evidence. Topics include lectures on methodology, seminars on the review and criticism of current literature, and presentations by outside experts on specific environmental and occupational health issues of current interest.

Course Prerequisites: ID201 or [EPI201 and (BST 201 or PHS2000A)]. Concurrent registration with instructor permission only.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | DrPH Students & Wave 1
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Pre-requisites: ID201 or [EPI201 and (BST201 or PHS2000A)]. Concurrent registration with instructor permission only.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 1: School-Wide Core Requirement

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Interdepartmental 263 Section: 1

Practice of Occupational Health (190774)

John Price

| 2023 Spring (5 Credits) | | **Schedule:** | W 0800 AM - 1115 AM |
| **Instructor Permissions:** | None | **Enrollment Cap:** | 25 |

Focuses on the assessment of workplace hazards, the physiology and biomechanical aspects of work, and a practical problem-solving approach to health problems in various work settings. Emphasizes the relationship between working conditions and health, with special reference to the recognition, measurement, and control of occupational hazards.

Course Note: MPH 45 students will meet the practicum requirement for the OEH field of study through supplemental project deliverables during the course.

Course Activities: Oral and written projects, class discussions, four walk-through field trips to local industries (field trips may take up to four hours).

Course Requirement: EH 262 recommended.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups **Wave 1 | EH Department Students** **Wave 2 | Open Enrollment** **Wave 3 | Open Enrollment**
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	Priority Wave Timing **Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM** **Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM** **Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)**
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO

Interdepartmental 271 Section: 1

Advanced Regression for Environmental Epidemiology (190782)

Joel Schwartz

Antonella Zanobetti

| 2023 Spring (2.5 Credits) | **Schedule:** | R 0100 PM - 0330 PM |
| | | T 0200 PM - 0330 PM |

| **Instructor Permissions:** | None | **Enrollment Cap:** | 25 |

This course covers applied advanced regression analysis. Its focus is on relaxing classical assumptions in regression analysis to better match what epidemiological data really looks like. Specifically, the course will cover nonlinear exposure-response relationships and repeated measure designs, including non-parametric and semi-parametric smoothing techniques, generalized additive models, quantile regression, and time series models. In addition to the theoretical material, students will apply these techniques using R to actual datasets including modeling the effects of environmental exposures on health outcomes. These techniques also are widely applicable to problems in infectious disease, psychiatric, nutritional, occupational, and cancer epidemiology.

Course Activities: Lectures and structured workshops in the instructional computer facility.

Course Note: Basic biostatistics and a course in regression analysis recommended.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | EH Department Students
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Global Health and Population

Subject: Global Health & Population

Global Health & Population **201** Section: 1

Advanced Modeling for Health System Analysis & Priority Setting (207842)

Stephane Verguet

2023 Spring (2.5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: Instructor

Enrollment Cap: 12

This course directly builds on GHP 501, and offers advanced methods for modeling for health system analysis and priority setting in global health. Students will apply a range of techniques to address central topics, including: health disparities; medical impoverishment and financial risk protection; economic evaluations for health policy assessment; health system modeling; health system performance and country performance on health.

Through readings, basic programming using R software (www.r-project.org), and research projects, students will develop their research skills around three main areas of application, with an emphasis on low- and middle-income countries:
I.   Economic evaluation for health policy assessment
II.   Health system modeling
III. Efficiency, equity, and performance

Course Note: Instructor permission is required for enrollment. Students who wish to enroll must request instructor permission in my.Harvard. Please request permission by 5:00pm on January 18, 2023. The request should contain the following information: name, academic department and degree program, an explanation of how you will benefit from taking this course, and the relevance to individual career path and/or research plans..

Requirements: Prerequisite: GHP 501

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Global Health & Population **202** Section: 1

Comparative Health Systems I (211164)

Winnie Yip

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: Instructor

Enrollment Cap: 65

This course is the first in a two-course series on comparative health systems. The course will introduce students to theoretical health systems frameworks as well as essential concepts and methodological issues in comparative health systems research. In particular, the course uses theories of the market and

the government as organizing principles throughout. The first part of the course will focus on (i) health systems frameworks and performance assessment, (ii) theories of market and market failures, (iii) theories of government and government failures, and (iv) approaches to comparative case studies and health system analysis. The second part of the course applies concepts and methods in the first part of the course to analyze different types of health systems and compares their performance.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 203 Section: 1

Comparative Health Systems Part II (214479)

Winnie Yip

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   50

GHP 203 is the second course in a two-course series on comparative health systems. The course will introduce students to theoretical health systems frameworks as well as essential concepts and methodological issues in comparative health systems research. In particular, the two-course series uses theories of the market and the government as organizing principles to compare and contrast different health systems. The first part of the series introduces health systems frameworks, theories of market and market failures, theories of government and government failures, and approaches to comparative case studies and health system analysis and demonstrates their applications in high-income settings. The second part will focus on the theory of financing, benefit package design, provider payment methods, organization of health service delivery systems and their applications in low- and middle-income country settings.

Requirements: **HSPH PreReq GHP 202**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Global Health & Population 207 Section: 1

Risk Factors and Population Health (206843)

Goodarz Danaei

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

                             F 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   32

This course covers the concepts and methods required to estimate the effect of risk factors or interventions on disease outcomes at the population level. The course will cover three major topics of estimating population exposure, determining effect sizes, and estimating the proportional and absolute effects of changes in risk factor distributions on the corresponding disease outcomes. Knowledge of intermediate epidemiology and biostatistics is required. Students will work in small groups on a project during the course and will implement the analysis using real data to estimate the impact of one or more risk factors on a selected disease outcome in a population. The course uses active learning teaching methods and students are required to do in-class activities.

Prerequisites: EPI 201 and EPI 202; or instructor permission.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT** **Priority Wave Groups** **Wave 1 | GHP SM2, PhD PHS-GHP** **Wave 2 | Open Enrollment** **Wave 3 | Open Enrollment** **--** **Priority Wave Timing** **Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM** **Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM** **Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)** **Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)** ****Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course**
Requirements:	**HSPH: Pre-Req EPI 201 & 202**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Global Health & Population 208 Section: 1

Global Mental Health Delivery: From Research to Practice (207560)

Shekhar Saxena

Giuseppe Raviola

2023 Spring (2.5 Credits)

		Schedule:	MW 1130 AM - 0100 PM
Instructor Permissions:	None	**Enrollment Cap:**	50

Globally, the vast majority of people with mental health needs do not have access to mental health services

at present. A major challenge has continued to be the translation of research evidence in the field of global mental health, both with regard to clinical care and prevention, to implementation and delivery- the research to practice gap. COVID-19 has highlighted the need for integrating lessons learned in global mental health delivery to meet complex needs across high-, middle- and low-income settings. Global Mental Health Delivery: From Research to Practice aims to present a diverse array of programs demonstrating how interventions for prevention, treatment and recovery across the life course are delivered in real-world settings in a range of cultural contexts. The overall goal of the course is to demonstrate how the core principles of access, equity, evidence and scalability are addressed in each case, to understand the barriers in the implementation of the intervention and the innovative strategies used to address them, and the learnings from the successes and failures of these efforts. The course presents a selection of context-specific case studies that illustrate these diverse principles and objectives, and facilitate learning how similar programs may be run in diverse contexts. The course is divided into three major thematic units: Systems of Care, Humanitarian Crisis and Response, and Task Sharing. Classes will be primarily discussion-based, and students will be expected to read the case studies in advance. Through the course students will integrate lessons learned from the case study presentations and will develop a project concept that will emerge as a product of a staggered learning process that closely reflects project development in real-life settings. The course serves as a next-level analysis of the field of global mental health, following GHP 204 *Foundations of Global Mental Health*, but students need not take GHP 204 before GHP 208 to benefit greatly. The course is cross-listed with Harvard Medical School.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 209 Section: 1

Early Childhood Development in Global Contexts (214541)

Dana McCoy

Aisha Yousafzai

2023 Spring (5 Credits)

Schedule: W 0900 AM - 1215 PM

Instructor Permissions: None

Enrollment Cap: 64

Around the world, an estimated 250 million children under the age of five are failing to meet their developmental potential. Nevertheless, culturally sensitive interventions to promote early childhood development (ECD) are not widely integrated or prioritized in health and education platforms. This interdisciplinary course introduces students to core concepts in ECD, cross-cultural theory, contexts of risk and protection, and early intervention and policy. Course meetings will combine lectures, virtual interviews with global experts, and small-group discussion to equip students with the knowledge and skills to appropriately design, plan, evaluate, and appraise sensitive and specific ECD programming. In particular, the course will introduce students to foundational topics in education and public health – including theories of change, implementation research methods, and the ethics of intervention and cross-cultural work – while supporting the application of these topics to real-world interventions for young children.

Important class location note: that this course will meet on the Harvard T.H. Chan School of Public Health campus in Spring 1, and then switch to the Harvard Graduate School of Education campus in Spring 2.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course

Global Health & Population 228 Section: 1

Econometric Methods in Impact Evaluation (190392)

Jessica Cohen

2023 Spring (5 Credits)		**Schedule:**	F 0800 AM - 1115 AM
Instructor Permissions:	Instructor	**Enrollment Cap:**	14

The objective of this course is to provide students with a set of theoretical, econometric and reasoning skills to estimate the causal impact of one variable on another. Examples from the readings explore the causal effect of policies, laws, programs and natural experiments. We will go beyond estimating causal effects to analyze the channels through which the causal impact was likely achieved. The course will introduce students to a variety of econometric techniques in impact evaluation and a set of reasoning skills intended to help them become both a consumer and producer of applied empirical research. Students will learn to critically analyze evaluation research and to gauge how convincing the research is in identifying a causal impact. They will use these skills to develop an evaluation plan for a topic of their own, with the aim of stimulating ideas for dissertation research. This is a methods class that relies heavily on familiarity with regression analysis and econometrics. Coursework in econometrics is a pre-requisite for the course without exception. The course is intended for doctoral students who are finishing their course work and aims to help them transition into independent research. The aim of this course is to prepare doctoral students for the dissertation phase of their research and thus they will be given priority in enrollment. The course is also open to masters students, conditional on having adequate training and the course having enough space.

Pre-Requisites: Coursework in econometrics is required and some coursework in economics is beneficial but not strictly required. Some previous experience with regression analysis and applied economic research will be a huge advantage. Students seeing applied regression analysis for the first time in this course will most likely struggle with the reading.

Course Note: Students interested in taking this course must request instructor permission either by email (cohenj@hsph.harvard.edu) or via my.Harvard. Students will be notified of their status in advance of the first class. Please include the following information in your enrollment permission request: name, academic department, degree program and year, previous courses taken in economics and econometrics, any previous experience with impact evaluation, and the reason you want to take the course.

Students outside of HSPH must request instructor permission to enroll in this course.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 237 Section: 1

Behavioral Economics and Global Health (190397)

Margaret McConnell

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: Instructor

Enrollment Cap: 20

This course provides an overview of behavioral economic theory and surveys the most recent evidence in behavioral economics applied to global health. The course will introduce students to the process of defining and diagnosing challenges in global health policy that are rooted in human behavior. They will also learn how to design solutions to these problems using principles from behavioral economics and rigorously test those solutions in applied settings.

Prerequisites: HPM206 or equivalent; GHP525 or equivalent

Course Note: Instructor permission is required

Requirements: **Prerequisite: GHP525 and HPM206**
Students outside of HSPH must request instructor permission to register for the course.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Global Health & Population 243 Section: 1

Conducting Negotiation on the Frontlines (216357)

Claude Bruderlein

2023 Spring (2.5 Credits)

Schedule: M 0530 PM - 0815 PM

Instructor Permissions: Instructor

Enrollment Cap: 45

For over a century, public health has provided a solid scientific framework to assess the causes and consequences of harmful policies and behaviors endangering the health of populations. Through the design of evidence-based pathways to improve health outcomes, it has contributed significantly to human development and the realization of the universal right to health. Yet, in an increasingly divided world, health policy professionals have been confronted with the growing politicization of health policy debates, including ongoing attempts to question or limitthe influence of science in government policy making. These challenges have been particularly visible in crisis situations such as the response to the COVID-19 pandemic or the latest hurricanes affecting large numbers of people and communities. The same challenges have affected the design of public health programs towards vulnerable groups such as migrants, women and children in humanitarian situations across the world. To fulfill their role in these politicized environments, public health professionals must develop capabilities to lead constructive dialogues with a wide range of stakeholders while searching for realistic compromises on policy options. Such capabilities involve the ability of building trust in a tensepublic arena and mitigating adversarial relationships with actors opposed to the proposed policies. Engaging successfully with these counterparts is becoming a critical skill in current and future health crises.

Through an experiential learning approach, the course will present a systematic methodology to engage in crisis negotiations in a proactive, critical, and practical manner. Based on several years of empirical

research on negotiation practices on the frontlines of conflict, health crisesand natural disasters, it will offer practical tools to plan such negotiation as well as facilitate learning through the experience of seasoned practitioners working in these complex environments. It will complement existing courses on public policy and leadership for those planning to work in high-intensity environments such as the current pandemic, climate crisis, natural disasters, armed conflicts and other critical situations.

Class Notes: <u>LOCATION</u>**: Belfer 200 Starr Aud (HKS)**

Requirements: **HSPH: PW Degree Students**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective

Global Health & Population 255 Section: 1

HIV Interventions: Rationale, Design, and Evaluation (190402)

Christopher Sudfeld

Kenneth Mayer

2023 Spring (2.5 Credits)

Schedule: TR 0530 PM - 0700 PM

Instructor Permissions: None   **Enrollment Cap:**   30

This course introduces students to the underlying theories, mechanisms and rationales for the major biological, behavioral and structural HIV prevention interventions, such as male medical circumcision, vaccination, female microbicides, treatment as prevention, counseling, and combined approaches. In addition to HIV prevention, the course covers HIV treatment, care and impact mitigation. The focus of the course will be both on developing countries and on high-risk, vulnerable and underserved populations in developed countries. Students will learn to critically analyze studies evaluating HIV interventions and to assess global and national HIV strategies.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Global Health & Population 264 Section: 1

The Settler Colonial Determinants of Health (219616)

Bram Wispelwey

2023 Spring (2.5 Credits)

Schedule: MTWRF 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   32

Health inequities within and between societies are garnering increased attention, but some historical and structural processes are insufficiently considered despite their significant contributions. This course introduces students to the concept of settler colonialism and its health equity implications for indigenous

and settler populations. Utilizing case studies from the United States, South Africa, and Palestine/
Israel, comparative analyses in this discussion- and lecture-based seminar will elucidate universal and
particular elements of settler colonial societies while drawing causal chains to their perpetual outcomes:
poorer health for indigenous and other non-settler ("arrivant") communities.

This course is open to graduate students across the University and is especially salient for those aspiring
to engage in public or global health, public policy, legal scholarship, advocacy and activism, human rights,
or for anyone eager to explore an alternative framework for understanding the enduring structures that
generate racial health inequities in multiple global contexts. Interested undergraduate students will require
approval from the Instructor.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective
HSPH: Winter Session	Winter Session

Global Health & Population 265 Section: 1

Ethics of Global Health Research (190405)

Richard Cash

2023 Spring (2.5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 60

This course is designed to expose students to the key ethical issues that may be encountered in the course
of conducting global health research. Using case presentations and discussion-based class sessions,
students will have the opportunity to begin developing their own tools for dealing with these important
issues in an applied context.

Course Note: Required for GHP SM2 research students.

**Course is Restricted: GHP SM2 research students. Seats will be made available to other students if room is
available.**

Students outside of HSPH must request instructor permission to enroll in this course

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | SM2 GHP, PhD PHS-GHP, MPH45 GH MD-MPH45 GH
Wave 2 | SM2 GHP, PhD PHS-GHP, MPH45 GH MD-MPH45 GH
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

**Any student who does not meet the Wave 1 or Wave 2 criteria can add
themselves to the waitlist (if enrollment requirements are met) at any**

time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO

Global Health & Population 269 Section: 1

The Political Economy of Global Health (190408)

Jesse Bump

2023 Spring (2.5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 67

This course presents theoretical perspectives, empirical cases and research issues in policy analysis and political economy in global health. The focus is on analytical and methodological issues. The main purpose is to examine the political economy constraints on national and global health initiatives, the role of international agencies, the impact of non-governmental organizations, and the role of the state.

Course Activities: All students will be expected to participate actively in class discussions and submit three assignments. Doctoral students in GHP must write a final paper; master's students and non-GHP doctoral students have the option to either write a final paper or complete a take-home final exam. Exams and papers will constitute 80% of the grade and class participation 20%.

Prerequisites: There are no prerequisites for this course.

Students outside of HSPH must request instructor permission to enroll in this course

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

<u>Priority Wave Groups</u>
Wave 1 | GHP-SM2, PhD PHS-GHP, and DRPH
Wave 2 | MPH45 GH, MD-MPH45 GH & Wave 1
Wave 3 | Open Enrollment

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<u>Priority Wave Timing</u>
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:

59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
HSPH: Course Material Fee Tier	< $50
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Global Health & Population 290 Section: 1

Concepts and Methods for Analyzing Health System Quality (214510)

Margaret Kruk

2023 Spring (2.5 Credits)

Schedule: T 0345 PM - 0645 PM

Instructor Permissions: None

Enrollment Cap: 12

The objective of the course is to develop students' understanding of key concepts in the measurement of health system quality, and theoretical underpinnings and effectiveness of strategies for health system improvement. The course will review the conceptual frameworks of quality of care and apply these to current and new approaches to measuring quality. It will critically review past and current approaches to the improvement of health system quality. While the course will focus on lower-income countries, it will cite the US and other OECD country experience. Upon completion of the course, students will be able to identify the key constructs underpinning health system quality, patient experience, and confidence. They will be able to discuss best practices and innovations in the measurement of health system quality and identify data sources for quality measures. They will be able to identify and critique more and less successful approaches to improvement using the lens of complex adaptive systems. Students will identify research and evaluation challenges for studying health system change. Finally, students will apply these concepts to and challenges to a country setting in their final paper by using secondary data and the research literature to assess health system quality and identify potential drivers of performance. This is an advanced level seminar course that will include lectures and student-led discussion.

Requirements: **PHS 2000 (or equivalent) is required, or instructor permission. GHP 210 Concepts and Methods of Global Health and Population and GHP 202 Comparative Health Systems Part 1 are strongly recommended.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course

Global Health & Population 292 Section: 1

Research Methods for Health System Analysis (216216)

Kevin Croke

2023 Spring (2.5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 20

This course is designed to help students learn about methods for health system research, with a focus on low- and middle-income countries. The study of health systems differs methodologically from the study of population health in important ways. Health systems are large, complex, interactive systems. As such, the methods used for inference and analysis in population health (randomized controlled trials, and observational empirical studies that seek causal inference by seeking to approximate the RCT model) are often – although not always -- challenging or impossible to apply. Understanding variation in health system performance across countries, regions, and time therefore requires that researchers learn how to apply a range of research methods, often spanning multiple social science disciplines.
The first half of the course will introduce the methods for qualitative, comparative analysis of health systems, from research design to fieldwork. The second half of the course will focus on statistical methods, including cross-country regressions, multi-level models, and program evaluations of health system topics. The focus in these sessions will be on how valid empirical designs can be generated and implemented despite the complex nature of health systems. In both cases, the focus is both on the intellectual tools required but also the practical implementation of such research. For qualitative cross country work, this means extensive discussion of fieldwork and qualitative research methods. For empirical work, the course includes a replication exercise to gives students direct exposure to high quality published work.
This course is likely to be especially relevant to doctoral students in the Department of Global Health and Population Health Systems Area of Specialization.

Class Notes: ☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course

Global Health & Population 297 Section: 1

Field Trip: Health Reform and Community Medicine in Chile (190416)

Diana Bowser

Thomas Bossert

2023 Spring (2.5 Credits)	**Schedule:**	MTWRF 0900 AM - 0500 PM
Instructor Permissions: Instructor	**Enrollment Cap:**	17

Chile has been in the forefront of major new innovations in health systems toward achieving better health outcomes and more equity. The Chilean health system has been a model of innovative reforms that influenced access to care and insurance coverage in the last fifty years, most recently with an innovative reform called AUGE or GES that guaranteed access in both public and private health provider and insurance systems. While health status and financial security were advanced in more equitable ways, public satisfaction with the health system was not. Protests in October 2019 raised health care issues along with other demands resulting in opportunities for a new set of reforms resulting from a new Constitution and a recently elected more progressive presidential administration.

Chile has also been one of the more successful countries in addressing the evolving challenges of the COVID-19 pandemic. Building on a well-developed primary care system and early purchasing of large quantities of vaccines it was able to achieve one of the highest vaccination rates in the world. It has also been more successful than other countries in addressing the challenges of Delta and Omicron variants.

In this field course we will interview key officials in government, the private sector and interest groups was well as academic observers to understand the policies and implementation of the health system reforms and of the COVID 19 challenges, their outcomes and the processes by which decisions have been made. Interviews include current and past Ministers of Health, the director of the public health fund that manages the social insurance, regulators of both public and private sectors, the Medical Association and the Association of Private Hospitals, the Association of Private Insurance and academic observers and advocates for additional reforms.

We will also go into the field to interview directors and staff of primary care clinics including an innovative public private partnership of clinics that use the family medicine approach to community medicine. We will use a Harvard Business School case study to learn more about the history and management issues of that partnership. We will also visit and interview directors of public and private hospitals as well as clinics in a rural municipality.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Global Health & Population 299B Section: 1

Masters Thesis (205231)

Christopher Sudfeld

Nicolas Menzies

Stephane Verguet

Aisha Yousafzai

2023 Spring (2.5 Credits)	**Schedule:**	TBD

| Instructor Permissions: | Instructor | Enrollment Cap: | n/a |

This is a year-long course worth a total of 5 credits (2.5 in the fall and 2.5 in the spring). Student must produce a written thesis in accordance with the thesis guidelines developed by the department.

Course Note: Enrollment limited to GHP SM2 students only.

Grade Note: GHP 299 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. For enrollment purposes and planning credit totals, students should factor 2.5 credits during Fall and 2.5 credits during Spring. Students only receive a grade in GHP 299 after they have completed both Part A and Part B. At the end of the Fall term, students will receive an "IP" ("in progress") grade in GHP 299. This is a <u>non-credit-bearing placeholder</u> grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from GHP 299.

| Requirements: | Course Restricted: GHP SM2 students only |

Additional Course Attributes:

Attribute	Value(s)
Full Year Course	Indivisible Course
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH:Year Long Course	HSPH:Year Long Course
Course Search Attributes	Display Only in Course Search
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Global Health & Population 300 Section: 1

Independent Study (190419)

Rifat Atun

| 2023 Spring (0 Credits) | | Schedule: | TBD |
| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 10

Independent Study (190419)

Peter Berman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 100

Independent Study (190419)

Patrick Vinck

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 101

Independent Study (190419)

Patrick Vinck

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 102

Independent Study (190419)

Patrick Vinck

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 103

Independent Study (190419)

Daniel I. Wikler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 104

Independent Study (190419)

Daniel I. Wikler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 105

Independent Study (190419)

Daniel I. Wikler

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 106

Independent Study (190419)

Mary Wilson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 107

Independent Study (190419)

Mary Wilson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 108

Independent Study (190419)

Mary Wilson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 109

Independent Study (190419)

Winnie Yip

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 11

Independent Study (190419)

Peter Berman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 110

Independent Study (190419)

Winnie Yip

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 111

Independent Study (190419)

Winnie Yip

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 112

Independent Study (190419)

Aisha Yousafzai

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 113

Independent Study (190419)

Aisha Yousafzai

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 114

Independent Study (190419)

Aisha Yousafzai

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 115

Independent Study (190419)

Ole Norheim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 116

Independent Study (190419)

Ole Norheim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 117

Independent Study (190419)

Ole Norheim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 118

Independent Study (190419)

Jesse Bump

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 119

Independent Study (190419)

Claude Bruderlein

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 12

Independent Study (190419)

Peter Berman

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 120

Independent Study (190419)

Claude Bruderlein

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 121

Independent Study (190419)

Claude Bruderlein

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 13

Independent Study (190419)

Jacqueline Bhabha

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 14

Independent Study (190419)

Jacqueline Bhabha

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 15

Independent Study (190419)

Jacqueline Bhabha

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 16

Independent Study (190419)

David Bloom

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 17

Independent Study (190419)

David Bloom

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 18

Independent Study (190419)

David Bloom

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 19

Independent Study (190419)

Thomas Bossert

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 2

Independent Study (190419)

Rifat Atun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 20

Independent Study (190419)

Thomas Bossert

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 21

Independent Study (190419)

Thomas Bossert

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 22

Independent Study (190419)

Jesse Bump

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 23

Independent Study (190419)

Jesse Bump

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 24

Independent Study (190419)

Jesse Bump

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 25

Independent Study (190419)

David Canning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 26

Independent Study (190419)

David Canning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 27

Independent Study (190419)

David Canning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 28

Independent Study (190419)

Marcia Castro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 29

Independent Study (190419)

Marcia Castro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 3

Independent Study (190419)

Rifat Atun

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 30

Independent Study (190419)

Marcia Castro

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 31

Independent Study (190419)

Richard Cash

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 32

Independent Study (190419)

Richard Cash

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 33

Independent Study (190419)

Richard Cash

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 34

Independent Study (190419)

Jessica Cohen

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 35

Independent Study (190419)

Jessica Cohen

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 36

Independent Study (190419)

Jessica Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 37

Independent Study (190419)

Kevin Croke

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 38

Independent Study (190419)

Kevin Croke

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 300 Section: 39

Independent Study (190419)

Kevin Croke

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 4

Independent Study (190419)

Satchit Balsari

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 40

Independent Study (190419)

Goodarz Danaei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 41

Independent Study (190419)

Goodarz Danaei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 42

Independent Study (190419)

Goodarz Danaei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 43

Independent Study (190419)

Rashad Massoud

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 46

Independent Study (190419)

Paul Gregg Greenough

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 47

Independent Study (190419)

Paul Gregg Greenough

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 48

Independent Study (190419)

Paul Gregg Greenough

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 5

Independent Study (190419)

Satchit Balsari

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 52

Independent Study (190419)

Stephanie Kayden

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 53

Independent Study (190419)

Stephanie Kayden

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 54

Independent Study (190419)

Stephanie Kayden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 55

Independent Study (190419)

Margaret Kruk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 56

Independent Study (190419)

Margaret Kruk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 57

Independent Study (190419)

Margaret Kruk

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 58

Independent Study (190419)

Martin Lajous Loaeza

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 59

Independent Study (190419)

Martin Lajous Loaeza

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 6

Independent Study (190419)

Satchit Balsari

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 60

Independent Study (190419)

Martin Lajous Loaeza

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 61

Independent Study (190419)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 62

Independent Study (190419)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 63

Independent Study (190419)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 7

Independent Study (190419)

Sebastian Bauhoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 70

Independent Study (190419)

Margaret McConnell

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 71

Independent Study (190419)

Margaret McConnell

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 72

Independent Study (190419)

Margaret McConnell

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 73

Independent Study (190419)

Nicolas Menzies

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 74

Independent Study (190419)

Nicolas Menzies

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 75

Independent Study (190419)

Nicolas Menzies

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 76

Independent Study (190419)

Vikram Patel

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 77

Independent Study (190419)

Vikram Patel

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 78

Independent Study (190419)

Vikram Patel

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 79

Independent Study (190419)

Phuong Pham

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 8

Independent Study (190419)

Sebastian Bauhoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 80

Independent Study (190419)

Phuong Pham

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 81

Independent Study (190419)

Phuong Pham

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 82

Independent Study (190419)

Michael Reich

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 83

Independent Study (190419)

Michael Reich

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 84

Independent Study (190419)

Michael Reich

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 85

Independent Study (190419)

Joseph Rhatigan

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 86

Independent Study (190419)

Joseph Rhatigan

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 87

Independent Study (190419)

Joseph Rhatigan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 88

Independent Study (190419)

Shekhar Saxena

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 89

Independent Study (190419)

Shekhar Saxena

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 9

Independent Study (190419)

Sebastian Bauhoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 90

Independent Study (190419)

Shekhar Saxena

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 91

Independent Study (190419)

Christopher Sudfeld

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 92

Independent Study (190419)

Christopher Sudfeld

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 93

Independent Study (190419)

Christopher Sudfeld

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 94

Independent Study (190419)

Michael VanRooyen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 95

Independent Study (190419)

Michael VanRooyen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 300 Section: 96

Independent Study (190419)

Michael VanRooyen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 300 Section: 97

Independent Study (190419)

Stephane Verguet

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 98

Independent Study (190419)

Stephane Verguet

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 300 Section: 99

Independent Study (190419)

Stephane Verguet

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: 300

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. The program provides an opportunity to consider the design of studies, programs, or analysis of data.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 350 Section: 1

Research (190420)

Rifat Atun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

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Global Health & Population 350 Section: 10

Research (190420)

Goodarz Danaei

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 350 Section: 13

Research (190420)

Margaret Kruk

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 14

Research (190420)

Ana Langer

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 350 Section: 15

Research (190420)

Margaret McConnell

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 350 Section: 16

Research (190420)

Nicolas Menzies

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 350 Section: 17

Research (190420)

Michael Reich

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 19

Research (190420)

Shekhar Saxena

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 20

Research (190420)

Christopher Sudfeld

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 21

Research (190420)

Stephane Verguet

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 350 Section: 22

Research (190420)

Winnie Yip

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 23

Research (190420)

Aisha Yousafzai

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 350 Section: 3

Research (190420)

Sebastian Bauhoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 4

Research (190420)

David Bloom

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 350 Section: 6

Research (190420)

David Canning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Global Health & Population 350 Section: 7

Research (190420)

Marcia Castro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 350 Section: 8

Research (190420)

Jessica Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 350 Section: 9

Research (190420)

Kevin Croke

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 400 Section: 1

Non-Resident Research (190421)

Rifat Atun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Global Health & Population 400 Section: 12

Non-Resident Research (190421)

Margaret Kruk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 400 Section: 13

Non-Resident Research (190421)

Ana Langer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 400 Section: 14

Non-Resident Research (190421)

Margaret McConnell

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 400 Section: 15

Non-Resident Research (190421)

Nicolas Menzies

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 16

Non-Resident Research (190421)

Michael Reich

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 400 Section: 17

Non-Resident Research (190421)

Shekhar Saxena

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 18

Non-Resident Research (190421)

Christopher Sudfeld

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Global Health & Population 400 Section: 19

Non-Resident Research (190421)

Stephane Verguet

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 2

Non-Resident Research (190421)

Sebastian Bauhoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 400 Section: 20

Non-Resident Research (190421)

Winnie Yip

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 21

Non-Resident Research (190421)

Aisha Yousafzai

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 3

Non-Resident Research (190421)

David Bloom

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Global Health & Population 400 Section: 5

Non-Resident Research (190421)

David Canning

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 400 Section: 6

Non-Resident Research (190421)

Marcia Castro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Global Health & Population 400 Section: 7

Non-Resident Research (190421)

Jessica Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 8

Non-Resident Research (190421)

Kevin Croke

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 400 Section: 9

Non-Resident Research (190421)

Goodarz Danaei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 501 Section: 1

Modeling for Health System Analysis & Priority Setting (204258)

Stephane Verguet

2023 Spring (2.5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: Instructor

Enrollment Cap: 20

This course offers an introduction to modeling for health system analysis and priority setting in global health, and its key quantitative methods. Students will learn to use a range of tools to address central concerns and topics, including: health disparities; medical impoverishment and financial risk protection; economic evaluations for health policy assessment; health system performance and country performance on health. Modeling for health system analysis – and therefore this course – draws from the disciplines of global public health, health services research, epidemiology, economics and applied mathematics. Through readings, homework, basic programming using R software (www.r-project.org), and a research assignment, students will gain solid quantitative knowledge of the field.
The course is designed around three main areas of inquiry and application, with an emphasis on low- and middle-income countries:

I. Economic evaluation for health policy assessment
II. Health system modeling
III. Efficiency, equity, and performance

Course Note: Instructor permission is required for enrollment. Students who wish to enroll must request instructor permission in my.Harvard. Please submit your request to enroll by 5:00pm on January 18, 2023. The request should contain the following information: name, academic department and degree program, an explanation of how you will benefit from taking this course, and the relevance to individual career path and/or research plans.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Global Health & Population 504 Section: 1

Introduction to Qualitative Research for Global Health (190424)

Aisha Yousafzai

2023 Spring (2.5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 35

This course introduces students to qualitative research design and methods applied in global health. Contrasts will be drawn with quantities and mixed-methods approaches in order to consider the place of qualitative research in global health. The course aims to provide students with an understanding of when to use qualitative research approaches, explores the philosophical debates around qualitative research and the theories that underpin qualitative research designs to consider which qualitative methodologies is appropriate for the research, and critically appraise the quality and credibility of qualitative research. This practical-oriented course will equip students with the knowledge and skills to appropriately design,

plan and appraise qualitative research. The course topics will include the application of qualitative research approaches in global health, qualitative research designs, qualitative methods, ethics and critical appraisal of qualitative research.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | GHP SM2, PhD PHS-GHP, MPH45 GH, MD-MPH45 GH

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO

Global Health & Population 506 Section: 1

Measuring Population Health (190426)

Nicolas Menzies

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 70

This course will introduce students to the definition and measurement of population health. The primary objective is to provide an overview of the conceptual, methodological and empirical basis for quantifying levels of health in individuals and populations, including the construction of a range of different summary measures that combine information on mortality and non-fatal health outcomes. The course aims to give students an understanding of the technical basis for measurement in international work on population health; and to give students an appreciation of the uses and limitations of these methods in policy-making and priority-setting, particularly in low- and middle-income countries. Practical training will be given through homework exercises and a final exam. Students are expected to have a working knowledge of Excel or an equivalent spreadsheet package. Other packages such as Stata will be introduced during the course for those with no previous experience. Required for MS students in the department of Global Health and Population. Useful for MPH and doctoral students interested in the construction, interpretation and application of health indicators.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | GHP SM2, PhD PHS-GHP
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

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**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Global Health & Population 515 Section: 1

International Humanitarian Response I (190434)

Sean Kivlehan

2023 Spring (2.5 Credits)

Schedule: W 0600 PM - 0800 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   64

This course offers practical training in the complex issues and field skills needed to engage in humanitarian aid work. Students will learn the concepts and international standards for humanitarian response. While providing a solid theoretical foundation, the course will focus on practical skills such as conducting rapid assessments, ensuring field security, and interacting with aid agencies, the military, and the media during humanitarian crises. The course culminates in a required three-day intensive humanitarian crisis field simulation (GHP 518) in Spring 2.

Topics covered:

> • **Humanitarian response community and coordination**
>
> • **International Humanitarian Law and Human Rights**
>
> • **Sphere standards (shelter, water and sanitation, food security, health)**
>
> • **Civil-military relations, media skills, logistics, and budgeting**
>
> • **Program design, monitoring and evaluation, accountability**
>
> • **Personal security, mental health, stress, and teamwork**

Co-requisite: GHP 518, International Humanitarian Response II, Spring 2.

Course Notes: All students must petition for both GHP 515 and GHP 518 in my.Harvard, then request instructor permission at https://bit.ly/IHR-2023 to be considered for enrollment. No auditors allowed. Lectures will take place in a Harvard Yard classroom on the Cambridge campus. Please review the description for GHP 518, the co-requisite Spring 2 course.

| **Requirements:** | **Co-requisite: GHP 518. Students outside of HSPH must request instructor permission to enroll in this course** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Global Health & Population 518 Section: 1

International Humanitarian Response II (190436)

Sean Kivlehan

2023 Spring (1.25 Credits)	**Schedule:**	FSS -
Instructor Permissions: Instructor	**Enrollment Cap:**	50

GHP 518 is an intensive field simulation at Harold Parker State Forest in North Andover, MA. Students will camp for two nights in the forest as part of an aid agency team responding to a simulated international disaster and conflict. Student teams will carry out rapid assessments, create a comprehensive humanitarian aid plan, and manage interactions with refugees, officials, and other humanitarian actors. Students will face challenges that test their subject knowledge, team skills, creativity, and grit.

Course Fee: $300 to cover group camping gear hire, food, and other simulation costs.

Co-requisite: GHP 515, International Humanitarian Response I

Course Notes: All students must petition for both GHP 515 and GHP 518 on my.Harvard and complete the

interest form: _bit.ly/IHR2023 to be considered for enrollment. No auditors allowed. Simulation is planned for Apr 28-Apr 30, 2023. Transportation to and from the simulation site will be arranged. Please review the description for GHP 515, the co-requisite Spring term course.

Class Notes: **Simulation is planned for Apr 28-Apr 30, 2023.**

Requirements: **Co-requisite: GHP 515. Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO

Global Health & Population 530 Section: 1

Consequential Leadership In Practice (221724)

Muhammad Pate

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   37

This course integrates the practical application of knowledge to solve public health problems from the lens of consequential leaders in global health institutions. Consequential leaders are those who exercise leadership, regardless of their positions, to achieve good outcomes within their organizations, in countries, or at the global level. The leaders we will study are not necessarily the most visible or powerful ones, but individuals and their teams in organizations, who apply the tools of the science of public health to achieve impact at scale. Using relevant materials, case examples, and engagement of practitioners, the course will explore the art and science of consequential leadership in practice. It will focus not only on the "who", "what', but also, importantly, on "how" consequential leadership is practiced. Students will develop better self-awareness as a foundational element for exercising consequential leadership. The purpose is to provide students with a path to develop a repertoire of capabilities necessary for the exercise of leadership to solve important public health problems at scale.

The intended participants in the course include MPH and DrPH students, who are emergent and future leaders in the practice of public health.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | MPH 45 Global Health
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
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time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $75
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 534 Section: 1

Introduction to Spatial Methods for Public Health (190448)

Marcia Castro

2023 Spring (2.5 Credits)

Schedule: F 0800 AM - 0930 AM
MW 0800 AM - 0930 AM

Instructor Permissions: Instructor **Enrollment Cap:** 21

This is an introductory level course in the conceptual and analytic tools used to understand how spatial distributions of exposure impact on processes and patterns of disease. It covers methods that allow: (i) examination of patterns of health and disease in place and time, (ii) application of geospatial technologies and methods for epidemiology, (iii) analysis of time-space relations, (iv) identification of clusters and diffusion of disease, and (v) study of geographical epidemiology of selected infectious and noninfectious diseases.
Course Activities: Assigned readings must be read in advance of class. Students will help summarize and lead discussions on several papers; complete a term project.
Students are highly encouraged to take one of the workshops on ArcGis offered by the Center for Geographical Analysis (CGA) - http://www.gis.harvard.edu.
Students who wish to enroll must email an essay (maximum half-page) to the course instructor, Marcia Castro (mcastro@hsph.harvard.edu) or submit directly within my.Harvard by 5:00pm on Friday, January 20, 2023. Applicants will be notified of their status in advance of Spring I add/drop deadline so students can plan accordingly. The essay should contain the following information: name, email, academic department and degree program, an explanation of how you will benefit from taking this course, the relevance to individual career path and/or research, and the dataset you have available to conduct spatial analysis.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Global Health & Population 537 Section: 1

Field Methods in Humanitarian Crises (190451)

Phuong Pham
Paul Gregg Greenough

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 70

The purpose of Field Methods in Humanitarian Crises is to introduce students to research design and methods, analysis, and data tools and technologies applied in affected populations of complex settings such as disasters and armed conflict. The course builds participants knowledge of conceptual and methodological approaches and their applications in designing and conducting research in the context of disaster and humanitarian settings, including the evaluation of humanitarian interventions; the assessment of the needs of populations affected by sudden and slow-onset catastrophic events including complex emergencies; the emergence of inter-sectoral research, including water, sanitation, food, nutrition, shelter and protection, among others; and the significance of other disciplines such as climatology, earth sciences, urban planning and social sciences on populations at risk. Lectures for this course combine theoretical discussions with case-based didactic sessions, application exercises, relevant literature and practical examples from the field.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Global Health & Population 542 Section: 1

Field Trip to Brazil (190456)

Marcia Castro

2023 Spring (2.5 Credits)

Schedule: MTWRF 0900 AM - 0500 PM

Instructor Permissions: Instructor

Enrollment Cap: 16

Course plans for January 2023 will be announced during the fall semester, 2022.
Brazil is the 6th largest country by area and has the largest population in Latin America. The country recorded the first confirmed COVID-19 case on February 26, 2020 and the first death on March 12, 2020, both in São Paulo state. In 24 days, the disease had spread to all federal units. As of September 11, 2020, Brazil reported more than 4.2 million cases (3rd in the world, after the US and India) and almost 130,000 deaths (2nd in the world, after the US).
Brazil was, in theory, uniquely equipped to implement a locally-adapted response to COVID-19. It has a free and universal health system, a strong community-based primary care program, and a long tradition in pioneering public health responses (e.g. the national immunization program, and the HIV/AIDS control program). It could learn from the mistakes and successes that other countries hit by COVID-19 made. It has a history of responding to new health threats by implementing governmental action and by generating high-quality scientific evidence. However, Brazil's response has been chaotic. Brazil's President

Jair Bolsonaro downplayed the importance of the coronavirus. He also denies scientific evidence. Since May 15, 2020, Brazil does not a Minister of Health. The interim Minister is an active-duty Army general without any health training, who signed a new protocol of COVID-19 treatment on May 20 that includes the use of hydroxychloroquine (a treatment without scientific basis). COVID-19 statistics of morbidity and mortality expose (and exacerbated) structural inequalities of the country.

This course will offer a critical perspective of the COVID-19 pandemic in Brazil. We will discuss the context (present and historical), challenges and opportunities, responses at the federal and local levels, consequences, and the way forward. Speakers will include professors from Harvard and Brazilian Universities, policy makers, government officials, and representatives from social movements. Harvard Students will work collaboratively with Brazilian graduate students in projects around different aspects of the pandemic.

At the end of the course, students will present and discuss their project. Throughout this course, students will have an opportunity to interact with faculty from Harvard as well as faculty, public health workers, researchers, and students from Brazil.

| Requirements: | Students outside of HSPH must request instructor permission to enroll in this course |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Global Health & Population 543 Section: 1

Humanitarian Negotiation on the Frontlines (190457)

Claude Bruderlein

2023 Spring (2.5 Credits)	**Schedule:**	MTWRF 0900 AM - 0500 PM
Instructor Permissions: Instructor	**Enrollment Cap:**	15

The purpose of this course is to build the capacity of graduate students to navigate complex political crises in uncertain times, to develop a strategic vision on how to respond to humanitarian emergencies, and to plan a negotiation process in adversarial conditions. Emphasizing the direct engagement with relevant stakeholders, the course will examine a specific context to further a critical reflection on the design of a humanitarian response, set the basis of a professional dialogue with field practitioners, and to shed light on negotiation practices in a complex environment.

Since 2006, Claude Bruderlein and his team have developed an experiential learning program for graduate students at the Harvard Kennedy School of Government, the T.H. Chan School of Public Health, the Harvard Law School, as well as other schools within the Harvard network. The *Winter Field Study Courses* have explored humanitarian negotiations in various contexts such as Indonesia, Nepal, Lebanon, Jordan, India, Moldova, Israel and the Palestinian Territory, as well as the Balkans. The courses have covered numerous issues from refugees and irregular migration, human trafficking, humanitarian access, engagement with armed groups, the breakdown of health care systems, gender-based violence and global vaccination campaigns. The 2023 edition of the *Frontline Negotiation Lab* in Eastern Europe is organized in collaboration with the *[Centre of Competence on Humanitarian Negotiation (CCHN)](),* a strategic partnership between the international Committee of the Red Cross (ICRC), the World Food Program (WFP), the UN High Commissioner for Refugees (UNHCR) and Médecins-Sans-Frontières (MSF).

The Canvas site for this course can be viewed here: https://canvas.harvard.edu/courses/109319.

Requirements: Students outside of HSPH must request instructor permission to enroll
                              in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Global Health & Population 544 Section: 1

The Mexican Health System: Responding to COVID-19 (190458)

Martin Lajous Loaeza

Michael Reich

2023 Spring (2.5 Credits)

Schedule: MTWRF 0900 AM - 0500 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   15

Course plans for January 2023 will be announced during the fall semester, 2022.
**This winter-session course introduces students to Mexico's evolving health system and its response
to the COVID-19 pandemic, using a remote format. This remote field course will examine different aspects
of the national response to the COVID-19 pandemic, using seminars with key leaders in Mexico's health
system and teams of students dedicated to specific projects to support local organizations. Potential
projects for the January 2021 course could include topics such as: health communication to enhance
contact tracing; ensuring the drug supply chain for high-cost illnesses; development of a national center
for health information; governance for quality of care; or analyses on reproductive and mental health in a
pandemic.**
**The course provides students with a unique opportunity to use remote learning to examine the challenges
in constructing an effective health system response to a pandemic in the complex federal system of
Mexico. The course has three main components:**
**1. Learn about the Mexican Responses to COVID-19 through seminars and discussions with key decision
makers and stakeholders from leading institutions, organizations and private companies.**
2. Contrast the experiences of responding to COVID-19 in urban and rural areas of the country
**3. Contribute to program monitoring and evaluation for one of three selected projects with partnering
institutions, through a three-week group project of applied research.**
**During the first week students will learn about Mexico's health system and the contrasts between rural and
urban areas. Lectures and discussions during the second and third weeks will focus on responding to
COVID-19 in Mexico City and will be focused on critical aspects of health in Mexico. The David Rockefeller
Center for Latin American Studies in Mexico will provide support for organizing the course. The Mexican
National Institute of Public Health will collaborate on the course. Spanish is recommended but not required.**

Requirements: Students outside of HSPH must request instructor permission to enroll
                              in this course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Global Health & Population 550 Section: 1

Social Participation, Patient Involvement and Quality of Care (221592)

Miguel Lago

2023 Spring (2.5 Credits)

Schedule: R 0200 PM - 0515 PM

Instructor Permissions: Instructor

Enrollment Cap: 20

The purpose of the course is to help future policy makers, scholars, civic leaders, and health professionals understand how health policies can be improved through social participation. Students will be exposed to transdisciplinary concepts at the intersection of political science, public health, sociology of science, and medical anthropology. Theory will be balanced with practice and students will learn how to design and critically evaluate participatory processes.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $25
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective

Global Health & Population 569 Section: 1

Decolonizing Global Health (218173)

Jesse Bump

2023 Spring (2.5 Credits)

Schedule: T 0345 PM - 0645 PM

Instructor Permissions: Instructor

Enrollment Cap: 18

Widening inequality, enduring patterns of extraction, persistent power imbalances, and ongoing marginalization stand in stark opposition with the goals of global health and standard narratives of its triumphs. The COVID-19 pandemic has brought additional awareness to racial, economic, and other inequalities within and between societies, and also has raised questions about why so much unfairness endures. This course engages and interrogates colonialism and its sequelae as major causes of current problems, aiming to define and advance a decolonization agenda. It seeks to address central weaknesses in global health's decolonization movement, particularly the limited engagement with historical scholarship and decolonization theory, which are necessary to understand the mechanisms of colonialism, and to contest its ongoing influence in global health. The course focuses mainly on the 19th and 20th centuries, placing particular emphasis on the role of public health and medicine in colonial and imperial contexts to analyze how these policy areas were shaped to serve metropolitan material and intellectual goals. Comparative case analyses will be used to illuminate the difference between decision making on health policies in colonial and metropolitan contexts, and to connect patterns of the past with intellectual and institutional features of global health. This graduate seminar course is open to masters and doctoral students.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Global Health & Population 945B Section: 1

Applied Practice and Integrative Learning Experience for Global Health (MPH45) (205233)

Peter Berman

2023 Spring (1.25 Credits)

Schedule: T 0530 PM - 0700 PM

Instructor Permissions: Instructor

Enrollment Cap: 64

Section II of the two-part course for MPH45 Global Health Students.

This course is required for all students in the MPH45 Global Health Field of Study as part of the program's culminating experience requirement. The course emphasizes practical skills, and provides opportunities to connect with professionals and communities of practice in global health. The course sessions and networking opportunities are organized around:

► the global health practice experience which is undertaken throughout the academic year and for many students, provides a focus during Winter Session. For all projects at least 125 work hours need to be documented.

► a poster presentation to fellow students and faculty the application of theoretical and conceptual frameworks acquired at HSPH within the context of the global health practice experience, as well as a written project abstract and brief self-reflection on lessons learned.

Pre-requisite: GHP 945B Practice and Culminating Experience I

Grade Note: GHP 945 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. For enrollment purposes and planning credit totals, students should factor 1.25 credits during Fall and 1.25 credits during Spring. Students only receive a grade in GHP 945 after they have completed both Part A and Part B. At the end of the Fall term, students will receive an "IP" ("in progress") grade in GHP 945A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from GHP 945.

Requirements: **MPH45 Global Health students only**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Search Attributes	Display Only in Course Search
HSPH: Indpt. Study / Research	NO
HSPH:Year Long Course	HSPH:Year Long Course
Full Year Course	Indivisible Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Subject: Interdepartmental

Interdepartmental 212 Section: 1

Large Scale Effectiveness Evaluations (190748)

Margaret Kruk

2023 Spring (2.5 Credits)	Schedule:	TR 0800 AM - 0930 AM
Instructor Permissions: None	**Enrollment Cap:**	40

This course provides an introduction to the evaluation of large-scale programs aimed at improving health and/or nutrition status of whole populations, rather than individuals. The emphasis of the course is on global health and on low and middle-income countries, although the methodological approach will also be applicable to developed country settings.

The course will cover randomized cluster trials, observational or quasi-experimental designs, and implementation science designs. Students will be exposed to a broad overview of different methodological approaches, rather than focusing in great depth at any specific type of design. Instructors will use lecture, discussion, flipped classroom, case-studies and individual and small-group work.

Enrollment Note: Priority is given to GHP students.

Course Prerequisite(s): (BST 201 and EPI 201 and EPI 202) or ID 201 or (PHS 2000A and PHS 2000B), or instructor permission.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | SM2 GHP, PhD PHS-GHP
	Wave 2 | Open Enrollment
	Wave 3 | Open Enrollment
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	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Prerequisites: (BST201 and EPI201 and EPI202) or ID201** **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Course Material Fee Tier	< $25
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

HSPH Interdepartmental

Subject: Interdepartmental

Interdepartmental 252 Section: 1

Ethical Basis of the Practice of Public Health (219668)

Susannah Rose

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 60

This course is intended to provide students with an understanding of the major ethical issues confronting health care delivery and public health practice. This course will provide familiarity with some of the fundamental ethical theories that have shaped our thinking about key public health issues. We will engage in lively virtual discussions on challenging issues such as: mandatory vaccinations, paternalistic public health policies, rationing of health care resources, the use of quarantine, genetic screening, and access and "rights" to health care. Students will learn to analyze complex ethical problems, and to apply philosophical theories to produce well-reasoned policy recommendations.

Class Notes: This course is only open to MPH-GEN students.

Requirements: Course Restricted: Course open to MPH-GEN students only

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Not Available for Cross Registration

Interdepartmental 256 Section: 1

Evaluating Today's Complex Public Health Initiatives (220457)

Tamara Calise

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 60

Evaluation is one of the 10 essential public health functions, one of the seven core competencies of health education, and is critical to effective practice. This course uses the CDC Evaluation Framework, a specific public health evaluation framework, to explore several dimensions of evaluation. Topics will introduce students to general purposes and uses of program evaluation; the theory of program and policy evaluation and the methods and techniques used in the broad field of public health; ways program logic models are used to illustrate a program's "road map," goals, and objectives; ways to interpret and disseminate evaluation findings; and criteria and standards for assuring a program evaluation is sound and accountable. Students will develop comprehensive understanding of the phases of program evaluation, with an emphasis on community-based programs, comprehensive initiatives, and systems approaches. The course is designed to guide students in thinking critically about how health initiatives work, and, how evaluators can make them work better using various approaches. To achieve this goal, I will expose

students to readings and resources, discussions about terminology and concepts, and provide feedback on assignments and opportunities for hands-on practice.

Requirements: **Course Restricted: Course open to MPH-GEN students only**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 2: Required Course

Interdepartmental 257 Section: 1

An Introduction to Implementation Science (220580)

Karen Emmons

2023 Spring (2.5 Credits)

Schedule:	TBD
Enrollment Cap:	35

Instructor Permissions: None

It is widely recognized that the adoption of scientific evidence into everyday practice and policy is not optimal. If we are to improve public health and address health disparities, it is critical that the pace and quality of translation of evidence to practice be accelerated. The field of dissemination and implementation (D&I) science provides the theories and methods to understand how to impact the uptake of evidence-based practices and policies.

This overview course is designed to provide a foundation of knowledge that will allow participants to understand ways in which research can be conducted to increase adoption of scientific evidence.

Class Notes: **Enrollment Requirements: Students enrolled in the MPH-EPI and MPH-GEN programs have priority enrollment in this course. All other students must request instructor permission with priority of permission granted to students in a summer-only/summer focused program. Students will be enrolled in the course (if space available) according to the following waves:**

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH-EPI and MPH-GEN
Wave 2 | All other students with instructor permission
Wave 3 | All other students with instructor permission

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

Requirements: This course is for MPH GEN & MPH EPI students.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration

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Interdepartmental 273 Section: 1

Innovation and Entrepreneurship in Health Care (221626)

Richard Siegrist

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 30

The Innovation and Entrepreneurship in Health Care course will expose you to the theory and practice of innovation and entrepreneurship in health care settings. The course will use a case to illustrate and explore each session topic. The first two-thirds of the case sessions focus on various aspects of starting and growing a new health care venture, whether a for-profit or nonprofit enterprise. The final third of the class sessions focus on fostering innovation and intrapreneurship in established organizations such as non-profit, for-profit, or governmental organizations engaged in health care.

Following each case session, you will work with a small team of learners from the class to apply the concepts learned in developing a solution for a major public health problem. Through this course, we hope to prepare you to encourage effective innovation and intrapreneurship within an existing organization and contribute to the success of or start an innovative, entrepreneurial venture improving public health. The course emphasizes the development and practical application of innovation and entrepreneurial skills in the health care sector.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | MPH-GEN Students
Wave 2 | MPH-EPI Students
Wave 3 | Approved Petitioners

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **This course is for MPH GEN & MPH EPI students.**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $50
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Not Available for Cross Registration

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Interdepartmental 275 Section: 1

MPH Generalist Integrative Learning Experience (222040)

Emily LaRose

Monica Rivera Bueno

2023 Spring (1.25 Credits)

Schedule:	TBD

Instructor Permissions: None   **Enrollment Cap:**   60

This course is required for all students in the MPH Generalist program as part of the program's culminating experience requirement. The course is designed to provide you with practical and applied knowledge of understanding, diagnosing, evaluating, and positively impacting policy or programs.

Requirements: **Course Restricted: Course open to MPH-GEN students only**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Interdepartmental 290 Section: 1

Emergency Response, Disasters, and Public Health (219670)

William Vanderwagen

Paul Venton

2023 Spring (2.5 Credits)

Schedule:	TBD

Instructor Permissions: None   **Enrollment Cap:**   60

The purpose of this course is to provide cognitive and heuristic tools to public health practitioners to be well prepared to plan for, respond to, recover from, and mitigate the impact of health disasters precipitated by a variety of threats. The course will provide learners with an awareness of the wide-ranging collaborative processes necessary among public health and medical service providers, as well as cross sectoral dependencies on others such as energy, transportation, public safety, etc. Upon completion of this course, the learner will understand and be able to utilize tools and processes to save lives, reduce the burden of suffering, and speed communities to recovery in the face of disasters.

Class Notes: **This course is only open to MPH-GEN students.**

Requirements: Course Restricted: Course open to MPH-GEN students only

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 3: Essential Course
HSPH: Conditionally Approved	Conditionally Approved Course

Interdepartmental 514 Section: 1

Organizational Behavior (221997)

Laurie Pascal

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 25

This course is designed to provide you with theoretical and applied knowledge with which to understand, diagnose, evaluate, and positively impact organizations. You will learn why individuals and groups behave as they do. Attempts to change organizations in the absence of such understanding are often ill advised and usually ineffective. Sound theories, informed intuition, thoughtful frameworks, and enhanced problem-solving skills all have their place in successfully leading in an organization at any level, with or without a formal leadership position (e.g., executive, manager, frontline worker, supervisor, or consultant).

This course aims to help you understand organizational behavior through case studies of organizational challenges, contemporary and seminal literature addressing four major theoretical perspectives on organizations, and exercises and simulations designed to experience and practice what is learned. We will examine both macro issues (those that impact organizations as a whole) and micro issues (those that impact individuals and teams). To develop your abilities to apply the theoretical and practical concepts, you will work together in a team to address organizational problems in a real organization using a case. Written assignments are designed to allow you to reflect on and apply lessons drawn from personal experience in organizations as well as the theories drawn from the literature and videos.

Note. This course requires one synchronous small group discussion with 3 classmates of your choosing.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | MPH-GEN
Wave 2 | MPH-EPI and Approved Petitioners
Wave 3 | MPH-EPI and Approved Petitioners

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Priority Wave Timing
Wave 1 | 11/10/2022 11:00AM – 11/27/2022 11:59PM
Wave 2 | 11/28/2022 12:00AM – 12/1/2022 11:59PM
Wave 3 | 12/2/2022 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be

automatically enrolled into any remaining seats in the course (pending no time conflicts)

Course Requirements: Priority in this online course is given to MPH-GEN and MPH-EPI students. MPH-GEN and MPH-EPI students do not need to petition to enroll. Other students may petition. Priority in approving petitions will be given to MPH-CLE Summer-Focused students. Petitions for residential, academic-year students will be approved last, if space remains available.

Requirements: **See Class Notes for details. MPH-GEN and MPH-EPI students do not need to petition to enroll. Other students may petition.**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $50

Interdepartmental 529 Section: 1

Data Management and Analytic Workflows in R (221627)

Jarvis Chen

2023 Spring (2.5 Credits)

Schedule:	MTWRF 0130 PM - 0530 PM
	TWRF 0130 PM - 0530 PM

Instructor Permissions: None   **Enrollment Cap:** 60

Data Management and Analytic Workflows in R will introduce students to R programming and modern data management and analysis workflows applied to examples from population health science. Throughout, we will emphasize reproducibility, open science, data visualization, and dynamic document generation. Specific skills learned will include the use of the RStudio integrated development environment, tidy data management practices/workflows, how to get help in programming, and how to use GitHub to track changes in code, disseminate professional work, and integrate feedback. Coursework will consist of lectures, in-class group work, homework, peer assessment, and time for discussion. This course complements graduate-level courses in statistics and quantitative research methods by helping students develop practical skills for conducting independent research incorporating modern data science principles. Students completing this course will have a solid foundation enabling them to handle complex data management tasks and data communication skills for research and professional work.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | PhD-PHS
Wave 2 | MPH-65, DrPH, SM2
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 11/10/2022 11:00AM – 11/27/2022 11:59PM
Wave 2 | 11/28/2022 12:00AM – 12/1/2022 11:59PM
Wave 3 | 12/2/2022 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Interdepartmental 562 Section: 1

Narrative Leadership - Using Storytelling to Mobilize Collective Action in Public Health (219662)

Predrag Stojicic

2023 Spring (2.5 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	60

From global pandemics, chronic diseases, and racial inequities, public health leaders at the local, national, and global levels are facing some of the most complex and interconnected problems of modern times. However, despite our ability to produce evidence-based solutions that could improve health and well-being, their adoption is flagged due to the lack of collective action.

In this course, we will introduce the practice of leadership called Public Narrative that is rooted in community organizing and social movements. Developed by community organizer and Harvard professor Marshall Ganz, Public Narrative provides a way of thinking through the stories that mobilize people for collective action.

The goal of this course is to strengthen students' capacity to lead. We recognize that effective leaders cannot just engage the head (evidence and data). We need to learn how to engage the heart (values and emotions) in order to translate the knowledge into the community, political, or economic power necessary for long-term change.

Whether leading one person or thousands, engaging the heart requires learning the practice of storytelling and narrative that enables the leader to identify important issues, communicate those issues, and imaginatively live them out in professional and public life.

Narrative Leadership course is designed for public health leaders who are interested in harnessing the power of storytelling to motivate others to join them in action.

Class Notes:

This course is only open to MPH-GEN students.

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☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's

courses, please visit the [Curriculum Center website.](#)

| Requirements: | Course Restricted: Course open to MPH-GEN students only |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $50
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 3: Essential Course

Interdepartmental 946A Section: 1

Applied Practice Experience for MPH Generalist (220812)

David Matheson

William Bean

2023 Spring (1.25 Credits)		**Schedule:**	TBD
Instructor Permissions:	None	**Enrollment Cap:**	60

All students completing a Master of Public Health degree in accredited schools of public health in the US must complete an Applied Practice Experience ("Practicum"). This required course is designed to provide some tools and insights that will be useful in future professional practice in health management; assist MPH Generalist students in identifying and completing a practicum experience that will be of value to their professional development; share that experience with their MPH Generalist colleagues via a "peer-to-peer" joint learning experience.

Class Notes:	**Grade Note: ID 946 is a class comprised of two parts: Part A in the first Spring semester and Part B in the second (final) Spring 1 term. For enrollment purposes and planning credit totals, students should factor 1.25 credits during their first Spring semester and 1.25 credits during their second Spring 1 term. Students only receive a grade in ID 946 after they have completed both Part A and Part B. At the end of the first Spring semester, students will receive an "IP" ("in progress") grade in ID 946A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of their second Spring 1 term. When the Spring 1 grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from ID 946**

| Requirements: | Course Restricted: Course open to MPH-GEN students only |

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration

Interdepartmental 946B Section: 1

Applied Practice Experience for MPH Generalist (220813)

David Matheson

2023 Spring (1.25 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 60

All students completing a Master of Public Health degree in accredited schools of public health in the US must complete an Applied Practice Experience ("Practicum"). This required course is designed to provide some tools and insights that will be useful in future professional practice in health management; assist MPH Generalist students in identifying and completing a practicum experience that will be of value to their professional development; share that experience with their MPH Generalist colleagues via a "peer-to-peer" joint learning experience.

Class Notes:

Grade Note: ID 946 is a class comprised of two parts: Part A in the first Spring semester and Part B in the second (final) Spring 1 term. For enrollment purposes and planning credit totals, students should factor 1.25 credits during their first Spring semester and 1.25 credits during their second Spring 1 term. Students only receive a grade in ID 946 after they have completed both Part A and Part B. At the end of the first Spring semester, students will receive an "IP" ("in progress") grade in ID 946A. This is a <u>non-credit-bearing placeholder</u> grade that will remain on the student's transcript until they receive a final grade at the end of their second Spring 1 term. When the Spring 1 grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from ID 946

Requirements:

Course Restricted: Course open to MPH-GEN students only

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Health Policy and Management

Subject: Health Policy & Management

Health Policy & Management 213 Section: 1

Public Health Law (190531)

Ameet Sarpatwari

2023 Spring (2.5 Credits)

		Schedule:	R 0530 PM - 0820 PM
Instructor Permissions:	None	**Enrollment Cap:**	52

The course is designed to provide students with an overview of what public health law is; why it matters to public health practitioners and providers; and how the law can be used to change health outcomes. Among the questions explored are:

1. What authority does the government have to regulate in the interest of public health?

2. How are individual rights balanced against this authority?

3. How can criminal statutes, civil litigation, and patent law be used to promote or negatively affect public health?

The course investigates these issues as they operate a range of specific contexts in public health and medical care, including communicable disease prevention and control, insurance coverage, mental and reproductive health care, pharmaceutical marketing, and tobacco cessation and lead abatement. The course touches on constitutional law, criminal law, tort law, and intellectual property law. Instruction is through interactive lectures with significant amount of class discussion. Most classes will revolve around two to three legal cases.

Course Note: No previous background in law is needed.

Registration Note: Priority is given to MPH45-HP students

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | MPH 45 & 65 HP
	Wave 2 | MPH 45 & 65 HP, MPH 45 & 65 HM, HPM SM1, PHS NUT
	Wave 3 | Open Enrollment
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	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending

no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Health Policy & Management 222 Section: 1

Financial Management of Health Care Organizations (190540)

Andrew Shin

2023 Spring (2.5 Credits)

Schedule: TR 0800 AM - 0930 AM

Instructor Permissions: None   **Enrollment Cap:**   37

This course covers the fundamentals of modern financial analysis that are essential to anyone working in healthcare finance, strategy, consulting, or entrepreneurship. Although most of the concepts and practices discussed are applicable to all industries, we will focus on the perspective of healthcare organizations including for-profit, non-profit, and startups. The course is organized around three themes: (i) valuing a project or an organization, (ii) raising capital, and (iii) managing risk in innovation and times of turbulence. Students will apply knowledge through real-life scenarios they are likely to encounter in the first year "on the job" such as: business case development for a new project or company, M&A due diligence, payor-provider contracting, and alternative payment models.

Course Prerequisites: HPM219

Registration Note: Restricted to MPH-HM 45 and MPH-HM 65 students. Non MPH-HM students will require instructor approval.

Requirements: **Prerequisite: HPM219 (may be taken concurrently)**
Restriction: MPH-45 HM or MPH-65 HM

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 223 Section: 01

Public Speaking for Managers (190541)

Jack Rossin

2023 Spring (1.25 Credits)

Schedule: T 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 15

This course gives the student the opportunity to develop skills in oral communication. Emphasis is placed on the techniques most useful to managers. Students will receive feedback in a supportive classroom environment.

Registration Note: HPM students only. Non-HPM students require instructor approval.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HM, MPH 65 HM, MPH45 HP, MPH65 HP, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Course Restricted to HPM students (or instructor permission).

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 4: Elective

Health Policy & Management 231 Section: 1

Healthcare Organizations and Strategy (190549)

Mariam Atkinson

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 50

Successful organizations are led by people capable of managing decisions with important tradeoffs and implications for long-term viability. Using selected readings and case studies of healthcare organizations, students will be able to think critically about real-life, classical examples of organizations dealing with strategic decision point dilemmas. We will focus on strategy as a way of thinking about organizational challenges and potential solutions, using tools such as environmental analysis, internal analysis, ethical decision-making, and organizational design and strategy implementation. Since this course emphasizes foundational theories and concepts in strategy, it is intended for those with no/limited strategy exposure.

Registration Note: First priority is to HPM students (MPH Health Management and MPH Health Policy)

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | MPH65 HM, MPH45 HM
Wave 2 | MPH65 HP, MPH 45 HP, HPM-SM1 & Wave 1
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
HSPH: Course Material Fee Tier	< $75
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Health Policy & Management 232 Section: 01

Operations Management in Service Delivery Organizations (190550)

Eugene Litvak

2023 Spring (2.5 Credits)	**Schedule:**	TR 0800 AM - 0930 AM
Instructor Permissions: None	**Enrollment Cap:**	44

Operations management is concerned with evaluating the performance of operating units, understanding why they perform as they do, designing new or improved operating procedures and systems for competitive advantage, making short-run and long-run decisions that affect operations, and managing the work force. To understand the role of operations in any organization, a manager must understand: process analysis, capacity analysis, types of processes, productivity analysis, and the role of operating strategy in corporate strategy. Case studies will be used to introduce students to a wide range of practical operational issues in healthcare delivery. Students will also be introduced to a new variability based methodology and to the quantitative techniques to reduce cost while maintaining or even improving quality of care. Problem oriented software will be used for some of these scenarios.

Registration Note: Priority goes to MPH45-HM and MPH65-HM students

Class Notes:

☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit [the Curriculum Center website.](#)**

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HM, HPM65 HM
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $50
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 245 Section: 1

Public Health Meta-Leadership Skills through Crisis and Change (190563)

Leonard Marcus
Eric McNulty

2023 Spring (2.5 Credits)

Schedule: MTWRF 0830 AM - 0520 PM

Instructor Permissions: None

Enrollment Cap: 48

Many T.H. Chan graduates eventually find themselves in significant public health leadership positions. The COVID-19 experience has underlined the importance of crisis leadership for those at the front lines of public health. These leadership roles provide the opportunity to initiate significant change and progress – to make a difference - on critical public health issues and problems. . This course provides you the opportunity to learn the key leadership lessons. The text used for the course is authored by the instructors: "You're It: Crisis, Change and How to Lead When It Matters Most."

For students who aspire to such responsibilities, this course provides a focus and framework to integrate your overall HSPH experience into your public health leadership trajectory. The week builds upon the concepts of "meta-leadership" and its widely oriented practices. The topics range from developing a better understanding for who you are as leader - with your strengths and weaknesses - as well as analytic strategies to better link leadership vision to organizational operations and logistical progress. You will find that you integrate your overall T.H. Chan learning into your leadership focus, with methods and strategies for evidence based situational awareness incorporated into your leadership profile. You will also find that you are better oriented and capable to generate connectivity of effort among people and organizations rallied to coalesce around critical public health priorities.

Students are encouraged to explore and develop their leadership passion which links to progress on matters of population health importance. The class has a very active and engaging learning laboratory format, including a combination of lecture, discussion, role play exercises and on-the-spot presentations and feedback by instructors and fellow students. It will draw on relevant recent and current events including the COVID-19 pandemic. Over the course of the week, students are active in developing a learning community, experiencing its evolution and applicability to leadership roles they assume over their career.

Note: Enrollment limited to 48 students.

Class Notes:

☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.

Requirements:

Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Health Policy & Management 247 Section: 1

Political Analysis and Strategy for U.S. Health Policy (190565)

Adrianna McIntyre

2023 Spring (2.5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 77

Health policy making in the U.S. has a strong political dimension. This course offers analytical insights into understanding U.S. health policymaking and developing political strategies that influence health policy outcomes. The course provides strategic skills for those in future leadership roles to influence the health policy process. Major topics to be covered include analyzing how health policy is shaped by interest groups, media, public opinion, legislative lobbying, elections, coalition building, policy legacies, institutions, and the politics of information. Student-led case studies focus on the politics of health policies in the U.S., including the Covid-19 pandemic, the debate over the expansion of Medicaid, and abortion policy. This course must be taken for a grade and is not open to auditors.

Course note: This course is not open to auditors.

Registration Note: Priority goes to DrPH, HPM SM1, MPH45-HP, and MPH65-HP students.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HP, MPH65 HP, DRPH, HPM SM1
Wave 2 | MPH45 HM, MPH65 HM, & Wave 1
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Health Policy & Management 252 Section: 1

Negotiation (190570)

Linda Kaboolian

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 76

The ability to negotiate successfully rests on a combination of analytic and interpersonal skills. Negotiators must execute promising strategies based on their analysis of the multitude of factors that affect the negotiation and that structure the definition of a successful outcome.

Among these issues are the context and the structure of the negotiation, the interests of the other parties, the opportunities and barriers to creating and claiming value on a sustainable basis, and the range of possible moves and countermoves both at and away from the bargaining table, the value of the relationships, personal goals and ethical considerations.

Interpersonal skills are important because negotiations are interactions with counterparts. Effective negotiators influence the behavior of other parties, correctly read the actions, intentions and preferences of counterparts, communicate their own perspectives and intentions well, and are aware of and can correct for their own cognitive and emotional biases. Strong interpersonal skills make it possible to execute one's own strategy and react to moves by counterparts effectively.

This course will present conceptual frameworks that will help you analyze negotiations in general and prepare more comprehensively for future negotiations in which you may be involved. In class analysis of case studies and readings from applied game theory, social psychology, political theory and behavioral economics, we will draw out lessons from ongoing, real-world negotiations. Through participation in negotiation simulations, you will have the opportunity to exercise your powers of communication and persuasion, and to experiment with a variety of negotiating strategies and tactics. The simulation exercises draw from a wide variety of contexts and their aim is to illustrate concepts and tools that apply to a variety of negotiations settings. In-class debriefs of your experience as well as your outcomes will help you make adjustments in your negotiating practice that better reflect your intentions and preferences.

I hope that in addition to developing a better understanding of strategy, you will learn a great deal about yourself in this course. You will have repeated exposure to situations that involve a shifting mix of opportunities for cooperation and competition as well as important ethical choices. The main pedagogical perspective is to improve your own repertoire of action practice and by reflecting on your practice. As a result, your negotiating effectiveness should increase significantly. Overall, I expect that you will finish the course as an analytically savvy, flexible, efficacious negotiator.

Registration Note: Priority goes to DrPH students

Class Notes:

☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please [visit the Curriculum Center website.](#)

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | All DrPH Students
Wave 2 | All DrPH and All HPM Students
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	NO
HSPH: Course Material Fee Tier	< $125

Health Policy & Management 255 Section: 01

Payment Systems in Healthcare (190573)

Jean Yang

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None **Enrollment Cap:** 70

The admonition "Follow the money" is good advice to anyone seeking a deeper understanding of any health care system. Money is a major tool for shaping the delivery of health care, for both good and ill. This course will follow the money as it flows through provider payment systems, and examine the effects of these flows on those who give, receive and pay for health care. Topics will include current payment methods for hospital care and physicians as well as innovative payment strategies and models under development. Cross-national examples will be used occasionally to gain greater understanding of some of the challenges that face all health care systems in designing successful provider payment systems. Guest speakers will provide a first-hand perspective on selected topics.

Registration Note: Priority registration for HPM students (MPH-HM, MPH-HP, HPM-SM1).

Class Notes: ***HPM 255 WILL MEET IN KRESGE G1 on WEDNESDAY, JANUARY 25.***

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups

Wave 1 | MPH45 HM, MPH65 HM, MPH45 HP, MPH65 HP, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

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Health Policy & Management 278 Section: 1

Skills & Methods of Health Care Negotiation & Conflict Resolution (190593)

Leonard Marcus

Eric McNulty

2023 Spring (2.5 Credits)		**Schedule:**	TR 0800 AM - 0930 AM
Instructor Permissions:	None	**Enrollment Cap:**	64

This course introduces students to the theories and practices of interest based negotiation and conflict resolution. Particular emphasis is on integrating analytic skills, negotiation techniques and conflict resolution methods into students' public health practice took kit. The course builds upon the book compiled by the instructors, "Renegotiating Health Care: Resolving Conflict to Build Collaboration, Second Edition." Based upon examples of conflict and negotiation facing health systems, students learn how to apply the concepts and methods of "The Walk in the Woods" - a four step process of interest-based negotiation. A portion of the class is devoted to health care and public health simulation exercises in which negotiation concepts and methods are demonstrated and practiced. These exercises model disputes typical of the challenges and problem solving now facing health leaders. The debriefing which follows each exercise offers individual feedback, as well as the opportunity to examine applied issues of organizational communication, system design, and conflict. By the end of the course, students will have knowledge of the overt and covert causes of conflict, concepts for analyzing disputes and a variety of methods useful for preventing, resolving and when necessary, constructively raising conflict.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HM, MPH65 HM, MPH45 HP, MPH65 HP, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Health Policy & Management 285 Section: 1

Applied Survey Research for Health Policy and Management (212547)

Gillian SteelFisher

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   20

Surveys are an essential tool in health policy and management, where it is critical to understand the perspective of patients, physicians and other care providers, as well as the broader public. Surveys are utilized to inform policy and program management design, to track changes over time, and to evaluate policy and program impact.

This course focuses on helping students interested in health policy and management to learn central skills in survey study design, questionnaire development as well as interpretation and analysis. The course will cover multiple modes, including telephone, internet, text, mail and face-to-face surveys. The course welcomes students interested in both domestic and international health policy issues, and will cover methodologies suitable to environments with variable research infrastructure. The course will focus on

applied techniques specific to survey development, management and interpretation rather than statistical information related to sampling and analysis of survey data, which is available in other courses. Students will get hands-on experience in questionnaire design and interpretation, as well as the opportunity to develop their own survey-based projects.

Class Notes: ☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit **[the Curriculum Center website.](#)**

Requirements: Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $50
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter

Health Policy & Management 295 Section: 1

Design of Social Innovation (205505)

Patrick Whitney

Andre Nogueira

2023 Spring (5 Credits)

Schedule:	F 0900 AM - 1200 PM
Instructor Permissions: Instructor	**Enrollment Cap:** 30

The Design for Social Innovation (DSI) is a graduate-level course with a total of maximum 30 students with multidisciplinary background. The course is composed of 15 sessions.

Students will be introduced to a set of design frameworks and methods from the Whole View that are useful for dealing with complex ambiguous problems. The Whole View is a conceptual model showing relationships among various forces influencing complex projects (see reading list for more information on the model). Students will apply parts of the model to public health issues and explore purpose-driven innovations that integrate considerations of economic principles, user experiences, and appropriate technology.

Each semester students will be exposed to a different set of topics to apply the Whole View. Examples of topics include but are not limited to urban and rural development, preparedness for epidemics, climate change, and health inequities. Between interest-based group projects and individual work, students will be involved in diverse activities including identifying patterns in the daily life, reframing problems, creating concepts, designing flexible systems, and using early-stage concept prototypes.

By the end of the semester, students will have learned how to use advanced frameworks and methods to sketch both descriptive and prescriptive Whole Views of public health conceptual interventions, considering the relationships between organizational purpose, strategy, value creation, operations, offerings, and users. In addition to activities related to developing Whole Views and learning how to work collaboratively, there will be frequent visits from experts in design, other fields related to design, and public health to present their work and provide critique to student presentations.

Requirements: Students outside of HSPH must request instructor permission to enroll

in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 1

Independent Study (190611)

Kimberlyn Leary

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 10

Independent Study (190611)

Bonnie Blanchfield

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 100

Independent Study (190611)

Ameet Sarpatwari

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 101

Independent Study (190611)

Ameet Sarpatwari

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 103

Independent Study (190611)

William Bean

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 104

Independent Study (190611)

William Bean

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 105

Independent Study (190611)

William Bean

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 106

Independent Study (190611)

Sarthak Das

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 107

Independent Study (190611)

Sarthak Das

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 108

Independent Study (190611)

Sarthak Das

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of

faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 109

Independent Study (190611)

Linda Cyr

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 11

Independent Study (190611)

Bonnie Blanchfield

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 110

Independent Study (190611)

Linda Cyr

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 111

Independent Study (190611)

Linda Cyr

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 112

Independent Study (190611)

Linda Cyr

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Health Policy & Management **300** Section: 113

Independent Study (190611)

Ankur Pandya

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective

Health Policy & Management **300** Section: 114

Independent Study (190611)

Ankur Pandya

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 115

Independent Study (190611)

Ankur Pandya

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 116

Independent Study (190611)

Mariam Atkinson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 117

Independent Study (190611)

Mariam Atkinson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 118

Independent Study (190611)

Mariam Atkinson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 122

Independent Study (190611)

Mariam Atkinson

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

| All: Cross Reg Availability | Available for Harvard Cross Registration |

Health Policy & Management 300 Section: 123

Independent Study (190611)

William Bean

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 124

Independent Study (190611)

Jill Roncarati

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 125

Independent Study (190611)

Jill Roncarati

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 126

Independent Study (190611)

Jill Roncarati

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 128

Independent Study (190611)

Vilsa Curto

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 129

Independent Study (190611)

Michael Barnett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 130

Independent Study (190611)

Michael Barnett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 131

Independent Study (190611)

Michael Barnett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 16

Independent Study (190611)

Patrick Whitney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 17

Independent Study (190611)

Patrick Whitney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 18

Independent Study (190611)

Patrick Whitney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 2

Independent Study (190611)

Kimberlyn Leary

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 20

Independent Study (190611)

Lindsay Martin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 21

Independent Study (190611)

Lindsay Martin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 22

Independent Study (190611)

Lindsay Martin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 23

Independent Study (190611)

Nancy Turnbull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 24

Independent Study (190611)

Linda Kaboolian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 25

Independent Study (190611)

Linda Kaboolian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 26

Independent Study (190611)

Linda Kaboolian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 27

Independent Study (190611)

Anne Occhipinti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 28

Independent Study (190611)

Meredith Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 29

Independent Study (190611)

Meredith Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 3

Independent Study (190611)

Kimberlyn Leary

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 30

Independent Study (190611)

Meredith Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 34

Independent Study (190611)

Nancy Turnbull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 35

Independent Study (190611)

Nancy Turnbull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 36

Independent Study (190611)

Nancy Turnbull

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 37

Independent Study (190611)

David Bates

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 38

Independent Study (190611)

David Bates

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 39

Independent Study (190611)

David Bates

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 4

Independent Study (190611)

Ameet Sarpatwari

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 48

Independent Study (190611)

Anne Occhipinti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 49

Independent Study (190611)

Jane Kim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 5

Independent Study (190611)

Audrey Gasteier

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 50

Independent Study (190611)

Jane Kim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 51

Independent Study (190611)

Jane Kim

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 55

Independent Study (190611)

Anne Occhipinti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 56

Independent Study (190611)

Deborah DiSanzo Eldracher

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 58

Independent Study (190611)

Leonard Marcus

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 59

Independent Study (190611)

Leonard Marcus

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 6

Independent Study (190611)

Andre Nogueira

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 60

Independent Study (190611)

Leonard Marcus

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 64

Independent Study (190611)

Richard Siegrist

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 65

Independent Study (190611)

Richard Siegrist

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 66

Independent Study (190611)

Richard Siegrist

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 7

Independent Study (190611)

Andre Nogueira

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Health Policy & Management 300 Section: 71

Independent Study (190611)

Amy Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 72

Independent Study (190611)

Amy Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 73

Independent Study (190611)

Amy Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 74

Independent Study (190611)

David Hemenway

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 75

Independent Study (190611)

David Hemenway

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 76

Independent Study (190611)

David Hemenway

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 77

Independent Study (190611)

Joseph P. Newhouse

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 78

Independent Study (190611)

Joseph P. Newhouse

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 8

Independent Study (190611)

Andre Nogueira

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 83

Independent Study (190611)

Jeff Levin-Scherz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 84

Independent Study (190611)

Jeff Levin-Scherz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 85

Independent Study (190611)

Jeff Levin-Scherz

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 86

Independent Study (190611)

Amy Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 87

Independent Study (190611)

Amy Rosenthal

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 88

Independent Study (190611)

Howard Koh

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 9

Independent Study (190611)

Bonnie Blanchfield

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 90

Independent Study (190611)

John McDonough

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 91

Independent Study (190611)

David Hemenway

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 92

Independent Study (190611)

Richard Siegrist

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 93

Independent Study (190611)

Susannah Rose

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 94

Independent Study (190611)

Susannah Rose

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 300 Section: 95

Independent Study (190611)

Susannah Rose

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the

regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 96

Independent Study (190611)

Anna Sinaiko

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Health Policy & Management 300 Section: 97

Independent Study (190611)

Anna Sinaiko

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 300 Section: 98

Independent Study (190611)

Anna Sinaiko

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Health Policy & Management 300 Section: 99

Independent Study (190611)

Ameet Sarpatwari

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Health Policy & Management 503 Section: 1

Understanding Public Health Leadership: From Frameworks to Practice (206904)

Howard Koh

2023 Spring (1.25 Credits)

Instructor Permissions: Instructor

Schedule: MTWR 0200 PM - 0515 PM
F 0200 PM - 0330 PM

Enrollment Cap: 25

Understanding public health leadership should represent a dynamic, lifelong process. Among other things, it can involve discovering and applying theories and frameworks, learning from proven and effective real-

world leaders, analyzing strategies and skills such leaders have employed, and engaging in personal reflection. Of note, theory and science alone are never enough to enable change; effective practitioners must also constantly hone and refine skills. Strategies include improving systems thinking, generating creative options to address pressing problems and guide decision-making, and effectively communicating decisions to motivate change. In this seminar course, students will address these dimensions, among others, to nourish and revisit their own personal concepts of public health leadership for their future careers.To be admitted to this five-day course, students must first complete a brief application describing their current views on leadership.

Those accepted to the course will then: 1) Learn about a range of modern-day leadership frameworks and strategies 2) Study specially designed leadership case studies about three national public health leaders who tackled complex societal challenges, as well as interact directly with them in the class 3) Reflect in small groups about lessons learned In their final essay, students will compare/contrast how the leadership frameworks apply to these national leaders; analyze the effectiveness of the leaders' decision-making and communication strategies; and reflect on how the weeklong class experience affects and changes their own personal views on leadership.

Enrollment Requirements:

To be admitted into this course students must complete an application consisting of six short-answer questions available at:
https://harvard.az1.qualtrics.com/jfe/form/SV_54NSe2LoK998OYC or https://tinyurl.com/HPM503-2023

Course Application Due: November 8, 2022, at 11:59 PM EST

Email completed applications to _kvanda@hsph.harvard.edu_

Admission Decisions: Students will be notified on November 9, 2022

Enrollment Opens: November 10, 2022, at 11:00 AM EST

Admitted degree program students must submit a petition for enrollment (https://www.hsph.harvard.edu/r-o-student-knowledge-center/course-petitioning/) Once the petition is approved, do not forget to finalize enrollment in the course! Enrollment in the course is not finalized until this step is taken. Click Enroll

Enrollment Deadline: January 4, 2023, at 11:59 PM EST

Note: Admitted Non-degree candidates must complete enrollment by December 8, 2022

Registration Assistance: For any specific questions about enrollment, please contact the Registrar's Office at

Class Notes:	☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.
Requirements:	Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Material Fee Tier	< $50
HSPH: Course Category	Category 4: Elective

Health Policy & Management 505 Section: 1

Health Care Delivery Reform in the US (206976)

Michael Barnett

2023 Spring (2.5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 55

Health care delivery in the US is an enormous, complex, and fragmented system of hospitals, clinics, rehabilitation facilities and other services. The overall purpose of this course is to provide students with a strong foundation of knowledge on the current state of the US health care delivery system and to develop tools to understand and critically evaluate major delivery reforms. This course has three main objectives: (1) illustrate the current state of health care delivery across the spectrum of settings (e.g. hospital, clinic, nursing home) and the major challenges facing this system; (2) develop a deep understanding of important delivery reform initiatives being pursued across the US and critically evaluate their capacity to achieve intended change; and (3) explore the challenges in implementing these delivery reforms.

Special emphasis will be placed on considering delivery system change after the COVID-19 pandemic in 2020.

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | MPH45 HP, MPH65 HP, HPM SM1
	Wave 2 | MPH45 HM, MPH65 HM, & Wave 1
	Wave 3 | Open Enrollment

	Priority Wave Timing
	Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
	Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
	Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)
	Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)
	**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course
Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25

HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	NO

Health Policy & Management 506 Section: 1

Practical Scientific Methods for Improving Health and Heath Care (207025)

Donald Goldmann

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions: None

Enrollment Cap: 45

Despite rapid advances in science and translational research, there are enormous gaps between what we know (the evidence from research) and the effectiveness of prevention and care services we provide. Improvement in health and health care outcomes has been agonizingly slow, but increasing global evidence and experience suggest that progress can be accelerated through a scientific approach to quality improvement. The purpose of this on-line course is to provide you with practical, yet rigorous methods and tools for tackling problems and getting results in public health and health care, or, in fact, for achieving credible results in any field where gaps between "knowing and doing" exist.

This course uses engaging videos, personal improvement projects, and interactive assignments to teach the fundamentals of improvement science. We will emphasize a flexible and practical methodology, The Model for Improvement, but will crosswalk this model with other approaches you are likely to encounter, including implementation science, Lean, and Six Sigma. In addition, we will explore how methods from other scientific disciplines can accelerate improvement, especially epidemiology, qualitative and ethnographic methods, program design and evaluation, information science, and behavioral science/ behavioral economics. You will practice what you learn by designing, implementing, and evaluating your personal improvement project. Course faculty will offer tips on performing rigorous, publishable projects as part of routine work (including how to differentiate between quality improvement and research that requires approval from institutional human studies review boards). You will practice what you have learned by critiquing published quality improvement studies, including successful and unsuccessful efforts to scale-up promising improvement ideas. We will encourage discussion of the intersection between improvement initiatives and global equity and social justice issues. Faculty and teaching assistants will provide real-time feedback through Canvas.

Class Notes:

Enrollment Requirements
Students enrolled in the MPH-EPI and MPH-GEN programs have priority enrollment in this course. All other students must request instructor permission with priority of permission granted to students in a summer-only/summer focused program. Students will be enrolled in the course (if space available) according to the following waves:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH-EPI and MPH-GEN
Wave 2 | All other students with instructor permission
Wave 3 | All other students with instructor permission

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:

59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **This course is for MPH GEN & MPH EPI students.**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course

Health Policy & Management 509 Section: 1

Disability Policy in the U.S. (217836)

Ellen Meara

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   30

A broad definition of health incorporates the ability to participate in a full range of activities inside and outside the home. What happens when people live with health conditions that impede one's ability to learn, work, or live independently? What policies and programs in the U.S. support the income, health care needs, and civil rights of people living with disability? In what ways do these policies work well and where do they fall short? The goal of the course is to identify major public programs and legislation likely to affect people with disabilities, to help students gain the background to analyze how policy changes have worked well or poorly to serve the needs of people living with disability, and to use this evidence base to think critically about potential changes to disability policy moving forward. We will examine public programs that provide income support (Social Security Disability Insurance and Supplemental Security Income), health insurance (Medicare and Medicaid), and civil rights protections (Americans with Disabilities Act). We will also consider special populations including people with mental illness or substance use disorders, and people who need long term services and supports. Course materials will draw upon journal articles from clinical, health policy, and social science, as well as grey literature. Students will be assessed based on participation, policy memos, and a final project focused on state disability policy.

Requirements: **HSPH: PW Degree Students**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration

HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Health Policy & Management 511 Section: 1

State Health Policy (211389)

John McDonough

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 30

This course offers an introduction to U.S. health policy as practiced by state governments. With special expert guests and experiential exercises, we will consider states' roles in: Medicaid, individual and employers private health insurance, public health including community and environmental health, delivery system reform, professional regulation and licensure, and more.

Course Note: It is helpful for students to have some previous knowledge of US Health Policy prior to taking this class.

Requirements: **Prerequisites: HPM 210 or HPM 211 or HPM 246A or HPM 247**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course

Health Policy & Management 516 Section: 1

Healthcare Quality & Equity in the US (190625)

Jose Figueroa

Rishi Wadhera

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 45

The quality and safety of health care is a national concern. This course addresses the conceptual basis for measuring and improving quality and safety, the effectiveness of methods used to improve health care, and the policies that influence the quality and safety of health care. Guest speakers emphasize recent developments and innovative initiatives and policies.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH 45 HM, MPH 65 HM, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – **1/16/2023 11:59PM**
Wave 2 | 1/17/2023 12:00AM – **1/19/2023 11:59PM**
Wave 3 | 1/20/2023 12:00AM – **Enrollment Deadline (varies by session)**

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

| Requirements: | **Students outside of HSPH must request instructor permission to enroll in this course** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

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Health Policy & Management 523 Section: 1

Homelessness and Health: Lessons from Health Care, Public Health, and Research (217853)

Maggie Sullivan

Jill Roncarati

2023 Spring (2.5 Credits)		**Schedule:**	TR 1130 AM - 0100 PM
Instructor Permissions:	None	**Enrollment Cap:**	40

Timely action and critical reflection in the areas of poverty, racial/ethnic health inequities, and homelessness are necessary. With more than 500,000 individuals experiencing homelessness in the United States at any given time and approximately 1.4 million individuals relying on emergency shelters over the course of year, homelessness continues to be a significant problem in the United States (US). Recent events such as the COVID-19 pandemic and social uprisings against racial injustices compel public health to better understand the vulnerabilities of our neighbors experiencing homelessness. While homelessness in the US is a complex issue intersecting the fields of health care, public health, and policy, this course will lead students through a concise introduction. We will examine pathways to homelessness, disproportionately affected communities, and unique health care needs including COVID-19. The history of Health Care for the Homeless (HCH) programs and examples of model programs will be discussed. Strategies for incorporating trauma-informed care into practice will be identified. There will be a specific focus on the fundamentals of research in homelessness and health, including innovative directions and ethical considerations. Individuals with lived experience of homelessness, clinicians and practitioners will share their perspectives. Active learning and solution-oriented approaches to challenging and persistent issues for homeless persons will be used.

| Requirements: | **HSPH: PW Degree Students** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective

HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

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Health Policy & Management 527 Section: 1

Health Data and Public Policy (221982)

Ray Campbell

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 30

This course will survey the major types of health data used in making health policy, and will look at the role health data plays in addressing several major state health policy challenges. Upon completion of this course you will be able to: describe the most important types of health data used to support state health policymaking; identify the analytic strengths and weakness of each type of health data; provide examples of each type of data being used to support major health policy initiatives in different states; and communicate with precision about the ways health data can support better health policy. Each student will select one state that will be the focus of four policy memos each student will write. Students will select from a list of states that are diverse geographically, economically, politically, and otherwise. The course will cover health data and health policy issues of national importance, while the memos will allow students to evaluate performance of specific states with respect to that topic.

Class Notes: *HPM 527 will meet in FXB-G11 in Spring 1.*

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter

Health Policy & Management 538 Section: 1

Pharmaceutical Development and Pharmacy Distribution: Markets and Policy (217854)

Troyen Brennan

2023 Spring (2.5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 17

The purpose of this course is for students to develop familiarity with the nuances of pharmaceutical development, and the transmission in commerce, economics and public health implications of medications. The course is intended to range over the entire lifespan of a medication—from initial development, through manufacturing, ownership by managed care organizations and into retail pharmacies. Students should expect to have a good grasp of the financial, economic, and public health aspects of the distribution of medications in the United States. The course focuses on the domestic pharma, insurance and retail pharmacy business, but lessons from other counties, in particular Western Europe, will be used to help bring into relief policies pursued in the United States. Two major prisms will be used to examine our system of development and distribution: market incentives and policy optimization. The format is lecture, with use of guest lecturers from academia and industry for particular topics. In particular, the guest lecturers are intended to provide real world views of the topics we discuss and view from an academic point of view.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Health Policy & Management 543 Section: 1

Quantitative Methods for Policy Evaluation (190648)

Vilsa Curto

2023 Spring (2.5 Credits)

Schedule: MW 0945 AM - 1115 AM

Instructor Permissions: None   **Enrollment Cap:**   45

This course helps students develop the tools they need to evaluate policy interventions, social programs, and health initiatives. To answer these questions, students will develop a flexible set of analytical tools, including both the ability to design an evaluation study and the ability to evaluate existing studies critically. By the end of the course, students will be able to construct a well-designed study to answer well-posed questions, gauge the adequacy of available data, implement an econometric analysis, interpret results from quantitative studies, and draw policy implications. The course focuses on health policies such as public health insurance expansions and public health campaigns, but the techniques are broadly applicable to other realms such as welfare or education. The course also provides a practical introduction to quantitative methods for policy evaluation, including regression analysis, propensity score matching, difference-in-differences, instrumental variables, and regression discontinuity.
Course Note: The course material is quantitative and builds on a base of statistics fundamentals, including knowledge of hypothesis testing and confidence intervals. The prerequisite is a course in basic statistics and probability, such as ID 201, BST 201, or an equivalent course. During the course, students will analyze data sets using Stata or an alternative statistical software package (such as R, SAS, or SPSS). Familiarity with at least one statistical software package, such as Stata or R, is helpful but not required.
Prerequisites: A course in basic statistics and probability, such as ID 201, BST 201, BST 202 & 203, BST 206 & 207, BST 206 & 208, BST 210, BST 213, EPI 208, or an equivalent course. Concurrent enrollment is allowed.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

<u>Priority Wave Groups</u>
Wave 1 | MPH45 HP, MPH65 HP
Wave 2 | MPH45 HM, MPH65 HM, PHS NUT, HPM SM1 & Wave 1
Wave 3 | Open Enrollment

<u>Priority Wave Timing</u>
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	Any of the following meet the pre-requisite for HPM 543: ID 201, BST 201, BST 202 & 203, BST 206 & 207, BST 206 & 208, BST 210, BST 213, EPI 208. Concurrent enrollment is allowed.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Health Policy & Management 545 Section: 1

Economics of Health Care: Public vs. Market Resolutions (190650)

Cirrus Foroughi

2023 Spring (2.5 Credits)

		Schedule:	TR 0945 AM - 1115 AM
Instructor Permissions:	None	**Enrollment Cap:**	67

The objective of this course is to learn how to think about the major issues facing the federal and state governments as they consider how best to regulate the U.S. health care system, using an applied economics framework. In particular, the goal is for students to be able to articulate which issues require government intervention to be resolved, which problems can be resolved by private markets, and why. The course builds on introductory microeconomics and focuses on real-world examples of market failures, government policy options, and unintended consequences of public policy interventions. Among the issues we will examine in the course are: how to finance health insurance; appropriate use of risk adjustment and other strategies to manage the insurance risk pool; approaches to cost-sharing by patients; subsidies for insurance purchase; the effects of individual and employer mandates for insurance coverage; and approaches to managing health care spending. These issues all involve choices about the extent to which markets can resolve the issues and what types of government policies would help the markets work more efficiently and/or more fairly.

Course Prerequisite(s): HPM206, GHP 230, or permission of instructor if you have previously completed an alternative course in microeconomics. For the latter option, please submit by email to

a copy or link to the course syllabus of the class you took previously, as well as documentation of your grade in the course.
Registration Note: Priority given to HPM students (MPH-HP, MPH-HM, HPM-SM1)

Class Notes:	**THIS CLASS HAS PRIORITY ENROLLMENT**
	Priority Wave Groups
	Wave 1 | MPH45 HM, MPH65 HM, MPH45 HP, MPH65 HP, HPM SM1

Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Pre-requisites: HPM206**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Material Fee Tier	< $25
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course

Health Policy & Management 548 Section: 1

Responsible Conduct of Research (190653)

Delia Wolf Christiani

2023 Spring (1.25 Credits)

Schedule: F 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   90

This course meets the NIH training requirement for all trainees, fellows, participants, and scholars receiving support through any NIH training, career development award, research education grant, or dissertation research grant. It describes basic ethical and regulatory requirements for conducting research. Topics include the following:

1. **conflict of interest – personal, professional, and financial – and conflict of commitment, in allocating time, effort, or other research resources**
2. **policies regarding human subjects, live vertebrate animal subjects in research, and safe laboratory practices**
3. **mentor/mentee responsibilities and relationships**
4. **safe research environments (e.g., those that promote inclusion and are free of sexual, racial,**

     ethnic, disability and other forms of discriminatory harassment)

5. **collaborative research, including collaborations with industry and investigators and institutions in other countries**
6. **peer review, including the responsibility for maintaining confidentiality and security in peer review**
7. **data acquisition and analysis; laboratory tools (e.g., tools for analyzing data and creating or working with digital images); recordkeeping practices, including methods such as electronic laboratory notebooks**
8. **secure and ethical data use; data confidentiality, management, sharing, and ownership**
9. **research misconduct and policies for handling misconduct**
10. **responsible authorship and publication**
11. **the scientist as a responsible member of society, contemporary ethical issues in biomedical research, and the environmental and societal impacts of scientific research**

Course Note: HSPH Graduate students, post-doc fellows, and HSPH junior faculty members will be allowed to take the course without paying tuition, but are expected to attend all lectures, participate in class discussions and complete homework assignments.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Health Policy & Management 552 Section: 1

Health Policy and Leadership (190656)

Andrew Dreyfus

2023 Spring (1.25 Credits)

Schedule: M 0345 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:**   32

Sponsored by the Harvard Chan Senior Leadership Fellows Program, each offering of this course series is taught by the Senior Leadership Fellow in residence for that term. Each course is unique and reflects the individual Fellow's career and leadership experience. Fellows address a wide variety of leadership challenges in areas such as politics and public health, health equity, policy implementation, poverty and access to healthcare, community health, universal health coverage, and beyond. For more on Senior Leadership Fellow courses and the current offerings, visit hsph.me/SLFPcourses

Class Notes: **Private health insurers play a major role in the US health system but are often viewed as opponents of reform or as heartless bureaucracies that restrict care and place administrative burdens on clinicians and patients.**

               This course, taught by Andrew Dreyfus, the recent CEO of Blue Cross Blue Shield of Massachusetts, will examine how policies and programs in the private sector have influenced and advanced state and national health system change, from coverage expansions to value-based payment models to health equity. Presenting case studies drawn in

part from his experience leading the largest health plan in Massachusetts, Dreyfus will explore the underlying mission and role of private health plans. Classroom discussions and case analyses will help students understand how leaders must navigate tradeoffs and competing interests to reform the health care system.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Health Policy & Management 561 Section: 1

Loneliness and Public Health (215109)

Jeremy Nobel

2023 Spring (1.25 Credits)

Schedule: TWRF 0945 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 20

The course will have two major components: an intensive didactic learning curriculum composed of lecture, assigned readings, and discussion, and an experiential team-based collaborative project.
For the didactic portion, students will learn the 'ins and outs' of loneliness within the public health landscape, as well as key tools and a framework for developing successful public health interventions. Class discussions will also cover loneliness as it relates to the current COVID-19 pandemic and its effect on at-risk populations.
Required and optional readings will be assigned before class. Lectures will be followed by a systematic and engaged unpacking of the material in interactive discussion.
In the collaborative project component of the course, students will form into teams and develop their own effective, scalable and sustainable public health interventions designed to tackle loneliness, with a key emphasis on identifying and eliminating barriers to success and developing measurement models to assess benefit. The group project will culminate in an oral presentation on the final day of class, and the delivery of a written report.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Winter Session	Winter Session
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course

Health Policy & Management 563 Section: 1

Accelerating Product Innovation with Health Data to Build a Better Future (220027)

Ashley-Kay Basile

2023 Spring (1.25 Credits)

Schedule: M 0800 AM - 0930 AM

Instructor Permissions: None

Enrollment Cap: 32

The digital revolution in healthcare is happening right now, around the world. There has been an explosion of data in every facet of our lives. In fact, data is being heralded as the new "oil" that will fuel the 21st

century. And the source of this data is all of us: humans are being digitized for our electronic health records, our genetic sequence, the number of steps we take each day, our social media likes, our online buying habits. As individuals go through their daily lives millions of data points are collected consisting of discrete moments that have the potential to be stitched together to power artificial intelligence algorithms, inform medical decisions at the point of care, influence patient behavior to drive better outcomes, predict and mitigate disease progression. Data can be an incredibly powerful resource but effectively deploying it can be challenging. Across the healthcare industry companies are embarking in a race to tap into the potential of health data, to harness insights derived from connecting all facets of our lives. Technology, product development and data science are at the forefront of figuring out how to direct the power of data to accelerate innovation and growth and ultimately drive better patient outcomes.

How can health systems, payers, provides, life science companies and patients harness the power of data and analytics and use technology effectively to improve care, lower costs, improve patient satisfaction, and enhance physician workflows? In this course you will learn about healthcare data and product development and hear directly from industry leaders who are at the forefront of leveraging data and analytics to drive material change in the healthcare industry. You will apply your learnings from the course and work in teams to define market requirements, design and pitch a conceptual data and analytics product solution to a panel of venture capital investors at the end of the course as part of your final presentation.

Class Notes:

☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit **the Curriculum Center website.**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Material Fee Tier	< $50

Health Policy & Management 566 Section: 1

Advocacy and Organizing for Health Policy (221988)

Amy Rosenthal

Alexander Sheff

2023 Spring (1.25 Credits)

Schedule: M 0530 PM - 0730 PM

Instructor Permissions: None   **Enrollment Cap:**   30

A public health degree is an important tool for preparing individuals who want to advance health care policy changes on behalf of individuals, families and specific populations of people. But how do you make this change happen? How do you take a policy from conception to implementation? How do you do this with a particular focus on the people who use the health care system, particularly those whose voices often go unheard?

This class will prime students to be able to conceptualize, manage and advance advocacy campaigns aimed at making health care policy. It will provide students with an understanding of both the very practical, hands-on skills they need to drive change and how to make the strategic decisions to advance their work. Students will work on one health policy issue area of their choice throughout the course, putting the building blocks in place to make change in their community, state or country.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Material Fee Tier	< $25

Health Policy & Management 567 Section: 1

Population Health Management (221736)

Stephanie Ferguson

2023 Spring (2.5 Credits)

Schedule: MTWRF 0800 AM - 0430 PM

Instructor Permissions: None

Enrollment Cap: 30

This course is designed to examine and develop strategies to improve health within and across populations. We will cover patterns of health determinants; population and primary health care management principles; decision science for public health nursing, policies, and interventions; and public health metrics and outcomes. The course will be delivered in nine three-hour sessions with pre- and post-course work expected.

Requirements: **.Pre-Requisite: HPM 564.
You must have received a grade in HPM 564, Health Systems Strengthening, prior to taking this course.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration

Health Policy & Management 568 Section: 1

Designing and Managing Person-Centered, Safe Care Organizations (222003)

Susan Edgman-Levitan

2023 Spring (2.5 Credits)

Schedule: TR 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 30

The person-centeredness and safety of health care is a national concern. Several new initiatives led by HHS, AHRQ and the Institute for Healthcare Improvement are revitalizing the focus on person-centered care and patient safety, especially in the wake of the COVD pandemic. This course will share the history of these two interrelated movements over the last twenty years to inform future healthcare leaders about how to ensure that the care they lead is person-centered and safe for patients and their workforce. It will also focus on evidence-based strategies to improve the measurement and delivery of care that matters most to patients, clinicians, administrators, and health system leaders. The course will also include information about national policies that have influenced the quality and safety of care. Guest speakers will share the important historical landmarks and will emphasize recent developments and innovative initiatives and policies that are important for emerging healthcare leaders. This course is designed to prepare a broad range of students interested in careers as healthcare leaders, clinicians, researchers, and consultants with the conceptual background and practical improvement strategies to impact the delivery of care.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

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Health Policy & Management 571 Section: 1

For the Mission or the Money? Hospitals & the Changing Landscape of Health Care Provision in America (221816)

Alecia McGregor

2023 Spring (2.5 Credits)

Schedule: TR 0345 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:**   30

When COVID-19 arrived in the United States in March 2020, experts questioned whether the hospital system would collapse under the stress of the pandemic. With fewer hospital beds per capita than almost any other industrialized nation, the U.S. health care system hung in a precarious balance. In the decades preceding the pandemic, hospitals, and critical hospital service lines, disproportionately closed in communities of color- the very communities that were most at risk for COVID infection, hospitalization and death. How did the state of hospital care arrive at this point? In this seminar, we will trace the evolution of the hospital as a community-based institution with a social mission to its increasingly common location as part of large, integrated hospital systems that operate as business enterprises.

We will explore questions such as: How has hospital care in the United States evolved over the last century? How have federal and state public policies influenced the frequency of hospital mergers, reconfigurations and closures? How does the arrangement of hospital systems affect access to acute care locally and nationally, in rural and in urban areas? How prepared were U.S. hospitals for COVID-19, and how has the pandemic impacted the hospital sector? What role do smaller non-hospital entities, such as ambulatory surgical care centers and community health centers play in providing care? What implications do hospital business decisions have on equity of access across race, class and place?

Class Notes: **☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $25
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

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Health Policy & Management 945B Section: 1

Applied Practice and Integrative Learning Experience for Health Policy (MPH45) (205237)

Amy Rosenthal

Audrey Gasteier

2023 Spring (1.25 Credits)

Schedule: W 0530 PM - 0700 PM

| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | 48 |

This course focuses on public policy process from a political perspective, identifying key shareholders, political processes, government structure, and the role of conflict resolution in the formation of health policy. Fieldwork provides practical experience in health policy development.
This is a year-long course worth a total of 2.5 credits (1.25 in the fall and 1.25 in the spring).
Grade Note: HPM 945 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. Students only receive a grade in HPM 945 after they have completed both Part A and Part B.
At the end of the Fall term, students will receive an "IP" ("in progress") grade in HPM 945A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. This means the 1.25 credits from HPM 945A will not be reflected in the student's transcript when the "IP" grade is present. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from HPM 945.

Requirements: **Course Restricted to MPH45 Health Policy Students**

Additional Course Attributes:

Attribute	Value(s)
Full Year Course	Indivisible Course
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Indpt. Study / Research	NO
Course Search Attributes	Display Only in Course Search
HSPH:Year Long Course	HSPH:Year Long Course
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Health Policy & Management 946B Section: 1

Applied Practice and Integrative Learning Experience for Health Management (205240)

William Bean

| 2023 Spring (1.25 Credits) | | **Schedule:** | T 0530 PM - 0700 PM |
| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | 62 |

This course explores the managerial skills required of public health professionals in any setting -- leadership, interdisciplinary teams, and communication. Fieldwork provides practical experience in health management.

This is a year-long course worth a total of 2.5 credits (1.25 in the fall and 1.25 in the spring).

Grade Note: HPM 946 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. Students only receive a grade in HPM 946 after they have completed both Part A and Part B.
At the end of the Fall term, students will receive an "IP" ("in progress") grade in HPM 946A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. This means the 1.25 credits from HPM 946A will not be reflected in the student's transcript when the "IP" grade is present. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from HPM 946.

Requirements: **Course Restricted to MPH45 Health Management Students**

Additional Course Attributes:

Attribute	Value(s)
HSPH:Year Long Course	HSPH:Year Long Course

Course Search Attributes	Display Only in Course Search
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
Full Year Course	Indivisible Course
HSPH: Course Category	Category 2: Required Course

Health Policy & Management 965S Section: 1

Applied Practice and Integrative Learning Experience for Health Policy (MPH65) (208097)

Nancy Turnbull

2023 Spring (1.25 Credits)

Schedule: T 0530 PM - 0700 PM

Instructor Permissions: None

Enrollment Cap: 25

This is the practicum and culminating experience for students in the MPH65 program in health policy. Students take this course in the first spring and the second fall of their program for a total of 2.5 credits (1.25 in the spring and 1.25 in the following fall).

This course allows students to integrate and synthesize the knowledge and skills they are gaining from their coursework, and to apply them to a real world health policy issue or problem.

In the spring section, students will explore practicum opportunities and decide on a placement for the summer. Working with the course instructor and their summer preceptor, they will develop a project plan and learning objectives for the summer. Students will also enhance the skills they need to function in a professional public health setting, including gaining a better understanding of their work preferences and strengths, learning about the practice of health policy from experienced practitioners, including Harvard Chan alumni, and engaging in professional self-assessment and critical reflection.

In the fall section, students will share their summer practicum experience with peers and learn from the experiences of others at an MPH65 practicum poster session. They will also assess their progress on attaining the MPH65 health policy program competencies, and develop a professional development plan.

Course Note: Open only to students in the MPH65 program in health policy, who are required to register for HPM965F/S. The class meets approximately 8 times in the spring and 6-7 times in the fall. Fieldwork takes place for 8 weeks during the summer, and students will present the results of their summer practicum projects in the fall section of the course.

Class Notes: ☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Requirements: **Course Restricted to MPH-65 HP students**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Not Available for Cross Registration
Course Evaluation	Course Evaluation Exempt
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course

Health Policy & Management 966S Section: 1

Applied Practice and Integrative Learning Experience for Health Management (HPM-65) (215680)

Louise Keogh Weed

| 2023 Spring (1.25 Credits) | | **Schedule:** | T 0530 PM - 0700 PM |
| **Instructor Permissions:** | Instructor | **Enrollment Cap:** | 20 |

Students in the Master of Public Health degree must complete an Applied Practice Experience ("Practicum"). To aid in the completion of this required, students must complete this is a two part course. The first portion occurs in the spring (HPM 966S) and will include students from multiple fields of study. The latter fall portion of the course (HPM 966F) will be limited Health Management students and content relevant to this field of study.

The current spring course is required of students in the MPH-65 degree program and is designed to:

1. assist you in identifying and completing a field-based practicum experience that will be of value to your professional development;

2. provide tools and insights that will be useful in future professional public health practice; and

3. share field experience with your MPH colleagues via a "peer-to-peer" joint learning experience. In preparation for individual field-based projects, students will develop their skills in performing effectively on interprofessional teams, by working with a client organization in the business sector to address a real world health problem.

Class Notes: **A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $25
HSPH: Conditionally Approved	Conditionally Approved Course
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course

Subject: Health Care Management

Health Care Management 702.2 Section: 1

Marketing (213400)

Linda Maccracken

2023 Spring (1.25 Credits)	**Schedule:**	F 0345 PM - 0515 PM
		S 0130 PM - 0300 PM
		S 0315 PM - 0414 PM
		F 0345 PM - 0515 PM
		S 1045 AM - 1215 PM
		S 0130 PM - 0300 PM

| **Instructor Permissions:** | None | **Enrollment Cap:** | 32 |

Marketing in the digital landscape calls for a variety of challenges as consumer digital adoption, technology, emerging competitors and data integration changes rapidly. This class prepares students to be effective marketing leaders in landscapes that require focused resource allocation that integrate digital and physical services, and equips them to make strategic decisions in preparing and approving customer centered initiatives. Students will gain a working knowledge of the marketing landscape based on quantifiable addressable market, differentiation, brand strength, customer centricity and targeted engagement through product, place / channel, pricing and promotion in competitive markets. Students will use cases and a team based project learn to critically assess marketing plans and evaluate a range of approaches and methods to measure value driven offerings. Plan on fast-paced case discussions and hands-on group project work.

Course Restriction: HCM Students only

Class Notes: This class will also meet the weekend of January 6-9, 2023

Requirements: HSPH: HCM Only

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration

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Health Care Management 707.3 Section: 1

Health Care Management Practicum (213392)

Linda Cyr

Don Michaels

Henry Bernstein

2023 Spring (2.25 Credits)

	Schedule:	S 1045 AM - 1215 PM
		F 0200 PM - 0330 PM
		F 0345 PM - 0515 PM

| **Instructor Permissions:** | None | **Enrollment Cap:** | 32 |

The Practicum provides students with an opportunity to integrate and apply the knowledge and leadership skills gained throughout the MHCM program by completing a comprehensive, independent project of their own choosing during the academic year. Students' self-selected projects might entail transforming an existing situation within their existing organizations or developing a business plan for a completely new, innovative initiative. Students will propose a project, develop a project plan, and build the business case to win approval and implement the idea.

Course Restricted: HCM students only

Class Notes: Class also meets the weekend of January 6-9, 2023.

Requirements: HSPH: HCM Only

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration

Health Care Management 709.2 Section: 1

Communication Skills for Managers (213491)

Jack Rossin

2023 Spring (0.63 Credits)

Schedule:

F 1130 AM - 0100 PM
F 0200 PM - 0330 PM
M 0800 AM - 0930 AM
F 0945 AM - 1115 AM
M 0800 AM - 0930 AM
S 0900 AM - 1030 AM

Instructor Permissions: None

Enrollment Cap: 32

Health care executives are increasingly called upon to communicate with a wide range of internal and external groups. This course will focus on the competencies necessary to deliver presentations successfully in a variety of situations that involve subordinates, superiors, with the board, peers, and external constituencies like the media. Students will learn to analyze challenging communication situations, prepare for contingencies, think on their feet, answer difficult questions and develop poise and confidence under pressure.

Course Restricted: HCM students only

Class Notes: **This class will also meet on weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Not Available for Cross Registration

Health Care Management 719.2 Section: 1

Financial Transactions and Analysis (213493)

Samuel Levitt

2023 Spring (1.25 Credits)

Schedule:

S 0900 AM - 1030 AM
S 1045 AM - 1215 PM
F 1130 AM - 0100 PM
F 0200 PM - 0330 PM
S 0900 AM - 1030 AM

Instructor Permissions: None

Enrollment Cap: 32

This intensive course introduces concepts of financial accounting to the non-accountant user of financial information. Basic accounting transactions, statement preparation, and concepts of accrual versus cash accounting are presented in the first half of the course. The remainder of the course focuses on financial analysis of a variety of health care organizations.

Course Note: Completion of pre-work on basic accounting concepts required before class begins. Working ability with spreadsheets also required.

Course Restricted: HCM students only

Class Notes: **Class also meets the weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course

Health Care Management 720.2 Section: 1

Cost Accounting and Control Systems (213495)

Richard Siegrist

2023 Spring (1.25 Credits)

Schedule:
F 0945 AM - 1115 AM
S 0900 AM - 1030 AM
S 1045 AM - 1215 PM
M 0945 AM - 1115 AM
M 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:** 32

The course is designed to introduce students to cost accounting and management control concepts and uses for health service organizations. The first part of the course develops a basic knowledge of cost accounting, including full and differential costing techniques. The remainder of the course focuses on management control structure and process, and addresses topics such as responsibility accounting, budgeting, reporting and variance analysis.

Course Restricted: HCM students only

Class Notes: **This class also meets on the weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Health Care Management 731.2 Section: 1

Competitive Strategy Determination (213497)

Mariam Atkinson

Laurie Sprung

2023 Spring (1.25 Credits)

Schedule:

S 0130 PM - 0300 PM

M 0945 AM - 1115 AM

M 1130 AM - 0100 PM

S 0900 AM - 1030 AM

S 1045 AM - 1215 PM

Instructor Permissions:	None	**Enrollment Cap:**	32

This course focuses on the conceptual framework needed to plan for the long-term viability of health care organizations. Using selected readings and case studies of both health care and non-health care organizations, students will learn to appreciate the concepts of competitive strategy and competitive advantage primarily through practice in analysis. The objective is to provide students with the conceptual tools and the practical skills to enable them to formulate, execute, and evaluate organizational strategy.

Course Restricted: HCM students only

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Health Care Management 755.2 Section: 1

Provider Payment Systems and Policy (213499)

Jeff Levin-Scherz

Carolyn Langer

2023 Spring (1.25 Credits)

Schedule:

F 0930 AM - 0100 PM

S 0900 AM - 1030 AM

F 0930 AM - 1029 AM

S 0130 PM - 0300 PM

Instructor Permissions:	None	**Enrollment Cap:**	32

This course is taught in two parts; the course focuses on the policy, operations and finance of provider payment, as well as the legal and contractual elements of provider payment. The course will evaluate multiple dimensions of health care cost and payment, with an emphasis on how payment systems influence provider organization, behavior and performance. The focus of this course is the US health care system, although class members will do an exercise involving provider payment across multiple countries. Participants will review sources and uses of health care dollars, and examine how these have changed in recent years as well as further changes that are likely as a result of legislative and regulatory initiatives. We will examine various stakeholder points of view on health care finance- and assess how changes in finance methods lead to changes in health care delivery and can lead to different experiences and outcomes for both providers and patients.

The legal and regulatory sessions will cover the key legal issues with which the health care executive needs to be familiar. The goal is to provide some sensitivity to the basic structure of the law, not to train the class as amateur lawyers. If successful, the students will be in a position to ask their legal team reasonable questions, relating to the underlying rationality of the law.

Course Restricted: HCM students only

Class Notes: **This class also meets the weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course

Health Care Management 758.3 Section: 1

Field Project in Quality Improvement (213396)

Josko Silobrcic

Catherine Kreatsoulas

Evan Benjamin

2023 Spring (1 Credits)

Schedule: S 0900 AM - 1030 AM

                                   S 1045 AM - 1215 PM

Instructor Permissions: None   **Enrollment Cap:**   32

This course will provide physician executives with pragmatic, applied, real-world insights into quality improvement (QI) in healthcare organizations, based on the application of proven strategic and tactical frameworks, methodologies and tools to their own quality-related field projects, performed during the 2nd academic year of the MHCM program. Throughout their efforts, from project conception, design and planning, to measurement, implementation, analysis and follow-up actions, the students are mentored and guided (individually and in small groups) by expert course faculty. The course follows and closely complements the HCM 711 (Quality Improvement and Quantitative Methods in Quality Management) summer/fall course, which provides the conceptual and methodological bases, analytic tools and practices for the field project. At the end of this course, students will be better prepared for and substantially proficient in their own roles in quality improvement and management, leading/ supporting their organizations' efforts in those areas using sound, science-based and systematic, methodical and analytic approaches and processes.

Course Restricted: HCM students only

Class Notes: **This class also meets Friday, January 6 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Not Available for Cross Registration

Health Care Management 777.2 Section: 1

Innovation and Entrepreneurship in Health Care (216359)

Richard Siegrist

2023 Spring (0.65 Credits)

Schedule: F 0200 PM - 0330 PM

		F 0345 PM - 0515 PM	
		S 0315 PM - 0445 PM	

Instructor Permissions: None **Enrollment Cap:** 30

This course is designed to expose students to the theory and practice of innovation and entrepreneurship in health care settings, both domestically and abroad. The first half of the sessions focus on various aspects of starting and growing a new health care business, whether a for-profit or non-profit venture. The second half of the sessions focus on fostering innovation and intrapreneurship in established organizations such as non-profit, for-profit or governmental organizations engaged in health care related activities.

Course Restricted: HCM students only

Class Notes: **This class also meets the weekend of January 6-9, 2023.**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Conditionally Approved	Conditionally Approved Course
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter

Health Care Management 778.2 Section: 1

Skills & Methods of Health Care Negotiation & Conflict Resolution (215811)

Linda Kaboolian

2023 Spring (1.25 Credits)

Schedule:
S 0130 PM - 0300 PM
M 0945 AM - 1115 AM
M 1130 AM - 0100 PM
S 1045 AM - 1215 PM
S 0315 PM - 0445 PM

Instructor Permissions: None **Enrollment Cap:** 30

The objective of this course is to improve negotiation, communication and conflict resolution skills for use in professional and personal settings. This course introduces students to the theory and practice of negotiation and conflict resolution. Particular emphasis is placed on integrating analytic skills, negotiation techniques and conflict resolution methods into the practice of health care management. The class is organized around hands-on simulations where general concepts and methods are demonstrated and practiced. These exercises model fundamental dilemmas in negotiation and are generalizable to disputes typical of health care settings and health care management problems. The debriefings that follow each exercise offer individual feedback, as well as the opportunity to examine applied issues of organizational communication, system design and conflict.

Course Restricted: HCM students only

Class Notes: **This class also meets the weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course

Health Care Management 782.2 Section: 1

Innovative Problem Solving & Design Thinking for Health (213501)

Linda Cyr

2023 Spring (1.25 Credits)

Schedule:

S 0130 PM - 0300 PM
M 0800 AM - 0930 AM
S 0900 AM - 1030 AM
S 0315 PM - 0445 PM
S 1045 AM - 1215 PM

Instructor Permissions: None

Enrollment Cap: 32

The capacity to innovate is critical in today's rapidly changing healthcare environment. Design thinking is a disciplined approach to innovation that has been adopted by leading healthcare organizations (e.g. Mayo Clinic, Kaiser, IBM Watson Health) and government agencies (e.g. CDC, HHS). In contrast to a traditional approach to problem solving that focuses on deciding among known solutions, an innovative approach seeks the best solution possible given available resources, time, and team competencies. Innovative problem solving maximizes learning to reduce uncertainty by focusing on generation of new alternatives, experimentation, and exploration of multiple solutions. This course includes a mix of individual and group exercises in class as well as a series of assignments that enable students to effectively use innovation tools, acquire skills, and adopt mindsets that complement the analytical approaches developed in other courses.

Course restriction: HCM students only

Class Notes: **This class also meets the weekend of January 6-9, 2023**

Requirements: **HSPH: HCM Only**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Not Available for Cross Registration

Subject: Decision Science

Decision Science 202 Section: 1

Decision Science for Public Health (204407)

Sue J. Goldie

2023 Spring (2.5 Credits)

Schedule: TBD

Instructor Permissions:	None	**Enrollment Cap:**	60

Challenges in public health policy and clinical medicine are marked by complexity, uncertainty, competing priorities and resource constraints. This course is designed to introduce the student to the methods and applications of decision analysis and cost-effectiveness analysis in clinical and public health decision making. The objectives of the course are: (1) to provide a basic introduction to the methods and tools of decision science, and to recognize when, how, and in what context they can provide value in clinical and public health decision making; (2) to equip students with the ability to structure and bound a decision problem logically (articulating the objective, perspective, and time horizon), identify key elements (alternatives, uncertainties, and outcomes) and influential factors (preferences, risk attitudes, values); (3) to provide students with basic skills in revising probabilities given new information, building and analyzing decision trees, conducting cost effectiveness analysis, performing sensitivity analyses, and communicating results; (4) to enable students to thoughtfully and critically evaluate published analyses conducted to evaluate or inform clinical strategies, health technologies, and public health policies in developed and developing countries.

This course serves as a pre-requisite for RDS 285 and RDS 288. Students cannot take RDS 202 if they have already taken RDS 280 or RDS 286 (exceptions only allowed with permission of RDS 202 instructor).

Class Notes:

This course serves as a pre-requisite for RDS 285 and RDS 288. Students cannot take RDS 202 if they have already taken RDS 280 or RDS 286 (exceptions only allowed with permission of RDS 202 instructor)

Enrollment Requirements
Students enrolled in the MPH-EPI and MPH-GEN programs have priority enrollment in this course. All other students must request instructor permission with priority of permission granted to students in a summer-only/summer focused program. Students will be enrolled in the course (if space available) according to the following waves:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH-EPI and MPH-GEN
Wave 2 | All other students with instructor permission
Wave 3 | All other students with instructor permission

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be

automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students enrolled in the MPH-EPI and MPH-GEN programs have priority enrollment in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Program Affiliation	MPH-EPI
HSPH: Course Category	Category 3: Essential Course

Decision Science 282 Section: 1

Economic Evaluation of Health Policy & Program Management (191104)

Stephen Resch

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 70

This course features the application of health decision science to policymaking and program management at various levels of the health system. Both developed and developing country contexts will be covered. Topics include: [1] theoretical foundations of cost-effectiveness analysis (CEA) with comparison to other methods of economic evaluation; [2] challenges and critiques of CEA in practice; [3] design and implementation of tools and protocols for measurement and valuation of cost and benefit of health programs; [4] use of evidence of economic value in strategic planning and resource allocation decisions, performance monitoring and program evaluation; [5] the role of evidence of economic value in the context of other stakeholder criteria and political motivations.
Course Prerequisites: Students must have taken RDS280 or RDS286. Concurrent enrollment is allowed. Prior coursework in Microeconomics is recommended.

Requirements:	**Prerequisites: RDS280 OR RDS286 (concurrent enrollment allowed). Prior coursework in Microeconomics is recommended.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25

Decision Science 285 Section: 1

Decision Analysis Methods in Public Health and Medicine (191106)

Nicolas Menzies

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   60

An intermediate-level course on methods and health applications of decision analysis modeling techniques. Topics include Markov models, microsimulation models, life expectancy estimation, cost estimation, deterministic and probabilistic sensitivity analysis, value of information analysis, and cost-effectiveness analysis.

Course Note: Familiarity with matrix algebra and elementary calculus may be helpful but not required; lab or section times to be announced at first meeting.

Course Prerequisites: (BST201 or ID201 or (BST 206 and BST 207)) and (RDS280 or RDS286 or RDS 202). Concurrent enrollment is allowed for RDS 286. Concurrent enrollment is not allowed for RDS 202.

Class Notes: A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit **the Curriculum Center website.**

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HP, MPH65 HP, DRPH, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: Pre-requisites: (BST201 or ID201 or (BST 206 and BST 207)) and (RDS280 or RDS286 or RDS202). Concurrent enrollment is allowed for RDS 286. Concurrent enrollment is not allowed for RDS 202.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25

Subject: Interdepartmental

Interdepartmental 240 Section: 01

Principles of Injury Control (190764)

David Hemenway

2023 Spring (2.5 Credits)

Instructor Permissions: None

Schedule: R 0400 PM - 0650 PM

Enrollment Cap: 50

This course provides an introduction to a serious public health problem - intentional and unintentional injury - and provides a framework for examining control options. Specific categories of injuries, such as motor vehicle crashes and violence, and specific risk factors for serious injury such as firearms, are examined in detail.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | MPH45 HM, MPH65 HM, MPH45 HP, MPH65 HP, HPM SM1
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Immunology and Infectious Disease

Subject: Immunology Infectious Disease

Immunology Infectious Disease 207 Section: 1

Infectious Disease Outbreaks of the 20th and 21st Centuries:Strategies for Investigation and Control (211064)

Roger Shapiro

2023 Spring (2.5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 30

Infectious disease outbreaks gave rise to the fields of epidemiology and public health, and remain critical drivers of public health policy and expenditures. Modern infectious disease outbreaks continue to challenge our methods of investigation and control, but new laboratory and investigative techniques, and in some cases new control measures, are also available. This course will provide a case-based approach to the investigation and control of landmark and representative infectious disease outbreaks and epidemics in the modern era. The focus on "epidemic potential" will provide a foundation for the student to understand how each pathogen exploits unique biologic and environmental opportunities, and how these can be addressed in the public health response. Course readings and projects will concentrate on the fundamental epidemiologic skills needed to investigate and control an outbreak, and lectures will explore key questions raised by important epidemics.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration

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Immunology Infectious Disease 209 Section: 1

Microbial Communities and the Human Microbiome (211163)

Curtis Huttenhower

Wendy Garrett

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 20

This course introduces students to the human microbiome and other microbial community concepts, including survey topics on relevant components of immunology, microbiology, ecology, health practice, and bioinformatics. It includes examples of the human microbiome's relevance to public health, such as chronic disease (e.g. cancer, inflammatory bowel disease). It also introduces study design considerations, model systems, and technologies for studying the microbiome in public health. Students completing the course will be able to:

- **Identify translational, basic biological, and population health topics relevant to the microbiome.**

- **Read and discuss current research literature on microbial community studies.**
- **Employ animal, molecular, and computational tools for microbial community research.**
- **Propose and execute introductory studies incorporating microbiome components and molecular technologies.**

Requirements: Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Immunology Infectious Disease 350 Section: 1

Research (190843)

Matthias Marti

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department. Inquiries about specific research opportunities should be addressed to the chair of the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Master of Public Health

Subject: Master of Public Health

Master of Public Health **102** Section: 2

Health Systems (213633)

Meredith Rosenthal

Rifat Atun

2023 Spring (1.25 Credits)

		Schedule:	TBD
Instructor Permissions:	None	**Enrollment Cap:**	75

Health systems are the foundation of health care delivery and an essential component of the public health landscape. Health Systems is designed to provide MPH students with an understanding of the components of a health system and alternative ways of understanding its structure, functions, and effectiveness. Through exploring both global and U.S. health systems within a comparative framework, students will learn to analyze the different choices that countries make in providing health coverage and health care to their populations and the challenges and benefits that these choices entail. This is an introductory survey course that enables students to learn essential concepts in each topic area.

Class Notes: **Open only to MPH-EPI, MPH-GEN, MPH CLE**

Requirements: **MPH-GEN, MPH-EPI, MPH-CLE Academic Year, MPH-CLE Summer-Only**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 1: School-Wide Core Requirement
All: Cross Reg Availability	Not Available for Cross Registration

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Master of Public Health **103** Section: 1

Leadership and Communication (213632)

Ted Witherell

2023 Spring (1.25 Credits)

		Schedule:	TBD
Instructor Permissions:	None	**Enrollment Cap:**	75

The effective practice of public health in the 21st century requires working with interdisciplinary teams, communicating effectively with diverse audiences, and successfully leading and managing others to achieve better health outcomes for all populations. This course is designed to provide MPH students with an understanding of, and appreciation for, the fundamentals of leadership, management, and governance; cultural competence; and communicating with different audiences. Through case study analysis, experiential exercises, simulations, lectures, practitioner panels, and application activities and assignments, students will explore the opportunities and challenges of being in leadership positions and will develop important skills in negotiation and mediation, budgeting and resource management, systems thinking, and selecting and developing a variety of audience-appropriate communication strategies.

Class Notes: **Open only to students in MPH-EPI, MPH-GEN, MPH-CLE**

A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.

| Requirements: | **MPH-GEN, MPH-EPI, MPH-CLE Academic Year, MPH-CLE Summer-Only** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 1: School-Wide Core Requirement
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Material Fee Tier	< $50

Master of Public Health 104 Section: 2

Social, Behavioral, and Structural Determinants of Health (213634)

Natalie Slopen

Monica Wang

Miranda Mancusi

2023 Spring (1.25 Credits)

		Schedule:	TBD
Instructor Permissions:	None	**Enrollment Cap:**	100

Social, Behavioral, and Structural Determinants of Health aims to provide an introduction to the social determinants of health, examine how social determinants influence the health of individuals, communities, and populations, provide an overview of public health intervention and evaluation approaches, and introduce health advocacy. Faculty will offer foundational frameworks and theories, discuss relevant research, explore potential interventions to improve health status and health outcomes, and encourage participants to apply their learning to current US and international contexts and issues. In addition to weekly discussion boards and check-in quizzes to grapple with the weekly material, students will get to complete two written assignments centered around identifying and addressing a solution to a health disparity in their home community. After learning the basics of how to write a critical communication/ advocacy format (i.e. an op-ed), students will author one as the final assignment for this course.

| Class Notes: | **Open only to students in the MPH-GEN, MPH-EPI, MPH-CLE.** |

| Requirements: | **MPH-GEN, MPH-EPI, MPH-CLE Academic Year, MPH-CLE Summer-Only** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 1: School-Wide Core Requirement
All: Cross Reg Availability	Not Available for Cross Registration

Molecular Metabolism

Subject: Interdepartmental

Interdepartmental 512 Section: 1

Molecular Basis of Nutritional and Metabolic Diseases (190812)

Chih-Hao Lee

2023 Spring (2.5 Credits)

	Schedule:	W 0200 PM - 0330 PM
		F 0345 PM - 0515 PM
Instructor Permissions: None	**Enrollment Cap:**	15

Students have an opportunity to review and analyze key papers that provide physiological and molecular evidence that bears on a topic of current interest in human nutrition and related disorders. Additionally, students learn skills necessary for critical thinking, and oral and written presentations.

Course Note: HSPH degree candidates only.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

<u>Priority Wave Groups</u>

Wave 1 | BPH, NUT NE

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

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Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Classification	Even Year Class

| All: Cross Reg Availability | Available for Harvard Cross Registration |

Nutrition

Subject: Nutrition

Nutrition 202 Section: 1

The Biological Basis of Human Nutrition (190912)

Frank M. Sacks
Abrania Marrero

2023 Spring (5 Credits)

Schedule:	TR 0200 PM - 0330 PM
Instructor Permissions: None	**Enrollment Cap:** 30

This course teaches the biochemistry and metabolism of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Contemporary topics are emphasized. Particular emphasis is given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer.

Class Notes:

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups
Wave 1 | PHS NUT, MPH65 NUT, BPH
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

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Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:

Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter

Nutrition 206 Section: 1

Nutrition Seminars, Part II (190916)

Walter Willett

2023 Spring (1.25 Credits)

Schedule: M 0101 PM - 0150 PM

Instructor Permissions: None

Enrollment Cap: 40

Seminar series on current topics in nutrition, usually taken by second year doctoral students.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 213 Section: 1

Nutrition Science Translation and Applications (212973)

Meir Stampfer

Aviva Musicus

2023 Spring (2.5 Credits)

Schedule: TR 0345 PM - 0515 PM

Instructor Permissions: None

Enrollment Cap: 20

This course aims to provide practical skills necessary for translating nutrition science research into public health programs and policies. It seeks to answer the question, how can we best use nutrition research to enhance public health. It is designed for Nutrition MPH students, for whom it is a required course; other interested students are welcome. Key topics include: learning to evaluate the scientific literature on human nutrition; learning how nutrition policies and programs are formulated, proposed, adopted, and implemented; and exploring levers of nutrition-related behavioral change. The class includes student presentations on a topic of choice within any of these key areas.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | MPH65 NUT

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

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Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – **Enrollment Deadline (varies by session)**

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Conditionally Approved	Conditionally Approved Course

Nutrition 235 Section: 1

Statistical Methods for Microbiome Data Analysis (219681)

Kyu Ha Lee

2023 Spring (2.5 Credits)		**Schedule:**	TR 0200 PM - 0330 PM
Instructor Permissions:	None	**Enrollment Cap:**	20

This course reviews unique characteristics of microbiome data produced by high-throughput sequence technologies. It provides an overview of classic and newly developed statistical methods for the analysis of microbiome data. This course may be of interest to students wishing to develop strong quantitative skills for comprehensive analysis of microbiome data from public health research.

Requirements: **Pre-Req: BST201 or ID201 or PHS2000**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter

Nutrition 250 Section: 1

Precision Nutrition: Dietary intervention studies and nutrition omics (216277)

Iris Shai
Jun Li

2023 Spring (2.5 Credits)		**Schedule:**	MTWRF 0800 AM - 0930 AM
			MTWRF 1130 AM - 0100 PM
Instructor Permissions:	None	**Enrollment Cap:**	13

Aim of the course: Developing knowledge and skills for designing, analyzing, and interpreting dietary intervention trials.

Dietary intervention trials have played a key role in establishing the causality between diet or nutrient intake and health outcomes and in the determination of dietary requirements and levels of supplementations to achieve specific outcomes. In this course, we will discuss the concepts and elements of nutritional RCTs, how to design, conduct, analyze, and interpret nutritional RCTs through case studies, and will address novel challenges/opportunities in nutritional RCTs. New technologies such as nutritional omics and the concept of personal or precision nutrition will be discussed. Students will need to read the relevant scientific literature prior to the lectures. Attendance and participation in lectures are required. Upon successful completion of the course, students will have a better understanding on how to plan and design a nutritional RCT and will be familiar with different types of outcome measurements and different analytical approaches.

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course

Nutrition 280 Section: 1

Integrating Nutrition into Clinical Medicine:
The Role of Health Professionals as Change Agents (220087)

Stephen Devries

2023 Spring (1.25 Credits)

Schedule: MTWR 0100 PM - 0300 PM
F 0100 PM - 0400 PM

Instructor Permissions: None

Enrollment Cap: 15

The connection between diet and patient health is unequivocal, yet nutrition-based interventions in medical practice remain significantly underutilized. The aim of this course is for you to understand the health and economic consequences of the lack of nutrition education and practice in medicine, and to demonstrate the unique potential for physicians and other health care professionals to serve as change agents for effectively integrating nutrition into medical care.

To achieve this aim, we will:

- Examine the key evidence that links diet to both personal and planetary health.

- Review the current status of nutrition education and practice in the United States.

- Explore barriers and feasible solutions to greater incorporation of nutrition in medical practice.

You will learn the foundations of clinical nutrition science and healthy, sustainable diets through condensed, interactive online modules. We will build on this foundation with class dialog, which will emphasize practical strategies for leveraging the role of nutrition in patient care. Finally, as a capstone to your learning, you will prepare and present a plan for making two interventions: 1) a personal change in your own diet and; 2) a plan for making a nutrition-focused systems change in your own (or anticipated future) clinical/work environment.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Winter Session	Winter Session

HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter

Nutrition 300 Section: 1

Independent Study (190930)

Xuehong Zhang

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 10

Independent Study (190930)

Jerold Mande

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

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Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 11

Independent Study (190930)

Jerold Mande

2023 Spring (0 Credits)

Schedule: TBD

| Instructor Permissions: | Instructor | Enrollment Cap: | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Nutrition 300 Section: 12

Independent Study (190930)

Jerold Mande

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 13

Independent Study (190930)

Delia Wolf Christiani

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

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Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 14

Independent Study (190930)

Delia Wolf Christiani

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 15

Independent Study (190930)

Delia Wolf Christiani

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 16

Independent Study (190930)

Gokhan Hotamisligil

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 17

Independent Study (190930)

Gokhan Hotamisligil

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 18

Independent Study (190930)

Gokhan Hotamisligil

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 19

Independent Study (190930)

Frank Hu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 2

Independent Study (190930)

Xuehong Zhang

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

| All: Cross Reg Availability | Available for Harvard Cross Registration |

Nutrition 300 Section: 20

Independent Study (190930)

Frank Hu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 21

Independent Study (190930)

Frank Hu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 22

Independent Study (190930)

Juliana Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

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Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 23

Independent Study (190930)

Juliana Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 24

Independent Study (190930)

Juliana Cohen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 28

Independent Study (190930)

Eric Rimm

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 29

Independent Study (190930)

Eric Rimm

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 3

Independent Study (190930)

Xuehong Zhang

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 30

Independent Study (190930)

Eric Rimm

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 31

Independent Study (190930)

Frank M. Sacks

2023 Spring (0 Credits) **Schedule:** TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 32

Independent Study (190930)

Frank M. Sacks

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 33

Independent Study (190930)

Frank M. Sacks

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 34

Independent Study (190930)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 35

Independent Study (190930)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 36

Independent Study (190930)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 37

Independent Study (190930)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 38

Independent Study (190930)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

| Course Evaluation | Course Evaluation Exempt |

Nutrition 300 Section: 39

Independent Study (190930)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 4

Independent Study (190930)

Jorge Chavarro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 40

Independent Study (190930)

Deirdre Tobias

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Nutrition 300 Section: 41

Independent Study (190930)

Deirdre Tobias

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 42

Independent Study (190930)

Deirdre Tobias

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 43

Independent Study (190930)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 44

Independent Study (190930)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 45

Independent Study (190930)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 46

Independent Study (190930)

Christina Dieli-Conwright

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 47

Independent Study (190930)

Christina Dieli-Conwright

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 48

Independent Study (190930)

Christina Dieli-Conwright

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 49

Independent Study (190930)

Edward Giovannucci

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 5

Independent Study (190930)

Jorge Chavarro

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 50

Independent Study (190930)

Edward Giovannucci

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 51

Independent Study (190930)

Edward Giovannucci

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 58

Independent Study (190930)

Elsie Taveras

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 59

Independent Study (190930)

Elsie Taveras

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 6

Independent Study (190930)

Jorge Chavarro

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 60

Independent Study (190930)

Elsie Taveras

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 61

Independent Study (190930)

Alberto Ascherio

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 62

Independent Study (190930)

Alberto Ascherio

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 63

Independent Study (190930)

Alberto Ascherio

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 64

Independent Study (190930)

Sheila Isanaka

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 65

Independent Study (190930)

Sheila Isanaka

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 66

Independent Study (190930)

Sheila Isanaka

2023 Spring (0 Credits)

Schedule: TBD

| Instructor Permissions: | Instructor | Enrollment Cap: | n/a |

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 7

Independent Study (190930)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 73

Independent Study (190930)

Josiemer Mattei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 74

Independent Study (190930)

Josiemer Mattei

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 300 Section: 75

Independent Study (190930)

Josiemer Mattei

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 76

Independent Study (190930)

Anne Lusk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective

Nutrition 300 Section: 77

Independent Study (190930)

Anne Lusk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 78

Independent Study (190930)

Anne Lusk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 79

Independent Study (190930)

Anne Lusk

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 8

Independent Study (190930)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

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Nutrition 300 Section: 80

Independent Study (190930)

Qi Sun

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

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Nutrition 300 Section: 81

Independent Study (190930)

Qi Sun

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 82

Independent Study (190930)

Qi Sun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 300 Section: 83

Independent Study (190930)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 84

Independent Study (190930)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of

students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 85

Independent Study (190930)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Nutrition 300 Section: 86

Independent Study (190930)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

| All: Cross Reg Availability | Available for Harvard Cross Registration |

Nutrition 300 Section: 87

Independent Study (190930)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 88

Independent Study (190930)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 300 Section: 9

Independent Study (190930)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 90

Independent Study (190930)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Nutrition 300 Section: 91

Independent Study (190930)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 300 Section: 92

Independent Study (190930)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of the regular courses. Independent study work can include laboratory studies, projects in applied nutrition, library research, or the following special topic listed under NUT 301.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Nutrition 350 Section: 1

Research (190935)

Alberto Ascherio

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 13

Research (190935)

Edward Giovannucci

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 14

Research (190935)

Edward Giovannucci

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 15

Research (190935)

Edward Giovannucci

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 16

Research (190935)

Frank Hu

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 17

Research (190935)

Frank Hu

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 18

Research (190935)

Frank Hu

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 19

Research (190935)

Eric Rimm

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 2

Research (190935)

Alberto Ascherio

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 20

Research (190935)

Eric Rimm

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 21

Research (190935)

Eric Rimm

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 22

Research (190935)

Frank M. Sacks

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 23

Research (190935)

Frank M. Sacks

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 24

Research (190935)

Frank M. Sacks

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 25

Research (190935)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 26

Research (190935)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 27

Research (190935)

Stephanie Smith-Warner

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 28

Research (190935)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 29

Research (190935)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 3

Research (190935)

Alberto Ascherio

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 30

Research (190935)

Meir Stampfer

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 31

Research (190935)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 32

Research (190935)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 33

Research (190935)

Walter Willett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Nutrition 350 Section: 37

Research (190935)

Jorge Chavarro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

| Course Evaluation | Course Evaluation Exempt |

Nutrition 350 Section: 38

Research (190935)

Jorge Chavarro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 39

Research (190935)

Jorge Chavarro

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 4

Research (190935)

Shilpa Bhupathiraju

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 42

Research (190935)

Josiemer Mattei

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 43

Research (190935)

Josiemer Mattei

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 44

Research (190935)

Josiemer Mattei

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 45

Research (190935)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course

Nutrition 350 Section: 46

Research (190935)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 47

Research (190935)

Christopher Golden

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

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Nutrition 350 Section: 48

Research (190935)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 49

Research (190935)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 5

Research (190935)

Shilpa Bhupathiraju

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 50

Research (190935)

Erica Kenney

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 51

Research (190935)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 52

Research (190935)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 350 Section: 53

Research (190935)

Kirsten Davison

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course

Nutrition 350 Section: 54

Research (190935)

Qi Sun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 55

Research (190935)

Qi Sun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 56

Research (190935)

Qi Sun

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

Nutrition 350 Section: 6

Research (190935)

Shilpa Bhupathiraju

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 7

Research (190935)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 350 Section: 8

Research (190935)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Nutrition 350 Section: 9

Research (190935)

Christopher Duggan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Nutrition 400 Section: 2

Non-Resident Research (190939)

Frank Hu

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department. Research topics that may be taken under the direction of the faculty are listed below.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Nutrition 400 Section: 4

Non-Resident Research (190939)

Frank M. Sacks

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department. Research topics that may be taken under the direction of the faculty are listed below.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Nutrition 965S Section: 1

Applied Practice Experience for Nutrition (215722)

Teresa Fung

2023 Spring (1.25 Credits)

Schedule: T 0530 PM - 0700 PM

Instructor Permissions: None

Enrollment Cap: 20

The course provides students with tools and practice in understanding how individual strengths, teamwork, and the ability to collaborate in interdisciplinary, cross-sector partnerships are all critical skills in addressing the complex scenarios of public health work that our students will face when they graduate. The course is limited to students in the MPH65 Nutrition field of study.

Class Notes: ☐A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to

enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit [the Curriculum Center website.](#)

| Requirements: | **HSPH: PW MPH 65 NUT** |

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Not Available for Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 2: Required Course
Course Evaluation	Course Evaluation Exempt
HSPH: Conditionally Approved	Conditionally Approved Course

Subject: Interdepartmental

Interdepartmental 214 Section: 1

Nutritional Epidemiology (190750)

Walter Willett

Deirdre Tobias

2023 Spring (2.5 Credits)

Schedule: F 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 49

Reviews methods for assessing the dietary intake of populations and individuals. Students gain experience in the actual collection, analysis and interpretation of dietary intake. The course also reviews several specific diet/disease relationships, integrating information from international studies, secular trends, clinical trials, analytical epidemiology, and animal experiments.

Course Prerequisites: EPI and BST core (ex. EPI201 and BST201 or ID201. PHS2000 fulfills BST requirement and can be taken concurrently.

| Class Notes: | **THIS CLASS HAS PRIORITY ENROLLMENT** |

Priority Wave Groups

Wave 1 | PhD PHS NUT, DrPH

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Pre-requisites: (EPI200 or EPI201 or EPI208 or EPI500 or ID201 or ID207) AND (BST201 or BST202&203 or BST206&207 or BST206&208 or ID201 or ID207 or PHS 2000A). PHS 2000A may be taken concurrently.**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Interdepartmental 220 Section: 1

An Introduction to Planetary Health (215725)

Christopher Golden

2023 Spring (2.5 Credits)		**Schedule:**	W 0345 PM - 0515 PM
Instructor Permissions:	Instructor	**Enrollment Cap:**	30

Over the past half century, the collective impact of humanity on the structure and function of Earth's natural systems has increased exponentially changing the biophysical conditions that support human life. As a result, we have entered a new epoch called the Anthropocene. Very rapid human population growth combined with even more rapid growth in per capita consumption are driving an extraordinary transformation of most of Earth's climate system, its oceans, land cover, biogeochemical cycles, biodiversity, and coastal and fresh water systems. These are the biophysical systems that underpin global food production, our exposure to infectious disease and natural hazards, and the habitability of the places where we live. There is growing concern that global environmental change is likely to be a major driver of the burden of disease over the coming century. As the pace and scale of human impacts on Earth's natural systems continues to grow, there is increasing interest in understanding and quantifying the implications of these accelerating changes for human health. Recently this field has been termed "planetary health." This course is geared toward graduate students from all schools, but open to passionate undergraduates interested in exploring the implications of global environmental change on nutrition, infectious disease, mental health, and other domains of wellbeing. Throughout the course of the semester, students will engage in diverse materials from many types of examples of planetary health research, from nutrition and mental health, to infectious and non-communicable diseases. We will tease out common themes around how changes in the structure and function of natural systems lead to impacts on different dimensions of human health. As we approach these case studies, students will be engaged in active processing of the material and in-class discussions to understand parallel themes from each successive week.

Class Notes: **Course Requirements: In order to be considered for enrollment in the class, students must fill out the student interest form: https://harvard. az1.qualtrics.com/jfe/form/SV_9BlmNDJsLzgRVQ2 and also request instructor permission to enroll in this course. Applications should be submitted before 5pm January 15th, 2023 (one week after enrollment begins). Notification of acceptance will be provided by January 18th, 2023 (one week before courses begin).**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Conditionally Approved	Conditionally Approved Course

Social and Behavioral Sciences

Subject: Social & Behavioral Sciences

Social & Behavioral Sciences 202 Section: 1

Child Psychiatric Epidemiology (211074)

Henning Tiemeier

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 32

This course takes an epidemiological and public health approach to child psychiatry and development with less emphasis clinical problems. Epidemiological research advances and challenges in key developmental disorders such as autism, aggression, ADHD and anxiety are discussed. Child psychiatry is unique in that social disadvantage, mother-child interaction, peer-relations, brain development and genetics all are important factors, psychometric challenges like assessment, multi-informant and reverse causality are discussed as are interventions and public health impact.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
HSPH: Classification	Even Year Class
All: Cross Reg Availability	Available for Harvard Cross Registration

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Social & Behavioral Sciences 203 Section: 1

Program Planning (211147)

Rebekka Lee

2023 Spring (2.5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: Instructor

Enrollment Cap: 45

Provides an introduction to public health intervention planning. Applies social science principles to community assessment, data collection, and prioritization. Foci will include identifying health-related needs and assets for individuals, communities, organizations, and national groups and will discuss the various challenges that researchers and practitioners encounter when doing work "on the ground". There will be a strong emphasis on community involvement throughout the course.

Course activities: Assigned reading with participation in discussion and classroom-based application exercises, individual assignments, group project to develop a needs assessment.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | HSB-65
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **HSPH: PW Degree Students**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 204 Section: 1

Program Implementation and Evaluation (211148)

Rebekka Lee

2023 Spring (2.5 Credits)

Schedule: MW 0345 PM - 0515 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   40

Provides and introduction to public health intervention implementation and evaluation in applied settings. Foci will include health-related intervention for individuals, communities, organizations, and local/national groups and will discuss the various challenges that researchers and practitioners encounter when conducting this work "on the ground". There will be a strong emphasis on community involvement throughout the course.

Course Activities: Assigned reading with participation in discussion and analysis of case studies, class presentations, applied individual application exercises, group project to design an intervention and evaluation plan.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

                             Priority Wave Groups
                             Wave 1 | HSB-65

Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **HSPH: Pre-Requisite SBS 203**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO

Social & Behavioral Sciences 210 Section: 1

Introduction to Dissemination and Implementation Science (207018)

Shoba Ramanadhan

2023 Spring (2.5 Credits)

Schedule: TR 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   25

Increasing the adoption, implementation, and sustainment of evidence-based programs, practices, and policies is critical for improving public health and addressing health disparities. The field of dissemination and implementation (D&I) science provides the theories and methods to understand and influence the path between evidence and action.

This introductory course will provide you with an overview of theories and methods to influence the pathway between evidence and action in a range of practice, policy, and public health settings. Given that D&I science sits at the intersection between research and practice, the course addresses important topics in the areas of theory and methods in tandem with practical skills for conducting D&I research and practice-based projects. This balance is reflected in the course readings and lectures as well as the assignments. The course is intended for Masters- and Doctoral-level students. Topics addressed include the motivation for and terminology of D&I science; designs, methods, and measures; applications of D&I science in clinical, community/public health, and policy settings; stakeholder engagement; and emerging issues.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 211 Section: 1

Public Health in Action: Strategies for Policy, Advocacy, and Communication (207019)

Mary Jean Brown

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 24

This practical course will help you build the strategic skills needed by leaders in public health settings. It will provide you with the opportunity to synthesize learning from previous course work in biostatistics, epidemiology, program evaluation, and ethics and develop policy, advocacy, and communication skills related to the practice of public health. The course is broken up into three broad sections of 1) assessment by defining the evidence base underlying a specific issue or condition and identifying the data supporting implementation of a program or policy; 2) policy development through the education of policy makers and the public and techniques for process of health policy analysis using ethical frameworks and 3) assurance by linking people to needed health services and research for innovative solutions to health problems.

To maximize the practical nature of the course, you will be asked to select one area or issue affecting the public's health that you will carry through your coursework. Additional guidance will be provided in class, but you may also meet with the instructor prior to the first day of class to discuss potential topics. Subject matter familiarity is welcome when choosing a topic, but not required.

Ultimately, this course is designed to give students practical experience in preparation for internships in the Spring or Summer semesters, or as a follow-up to an internship completed in the previous Summer. Students will use writing and editing to sharpen communication skills, translate data, and use research to inform policy and program development.

Class Notes: **A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 4: Elective
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 214 Section: 1

Developmental Disabilities II: Value, Policy, and Change (191121)

Jason Fogler

2023 Spring (2.5 Credits)   **Schedule:**   F 0800 AM - 1000 AM

Instructor Permissions: None   **Enrollment Cap:**   30

The course focuses on the community, system and leadership components of the developmental disabilities field. It draws from, but is independent of SBS 212. Course materials are presented by leading experts in the field who will provide the content for each session. Issues of systems change and perspective is maintained.
Course note: This course meets at LM 6656 East (Landmark Building, 401 Park Street, Fenway T-stop, East Wing, 6th floor)

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 3: Essential Course

Social & Behavioral Sciences 219 Section: 1

High-Risk Behavior: Epidemiology and Prevention Strategies (191122)

Vaughan Rees

2023 Spring (2.5 Credits)   **Schedule:**   TR 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   30

This course examines behaviors that place an individual at higher risk of injuries and mortality, including substance abuse, violence, and risky sexual behaviors. With a focus on adolescent risk behavior, the course covers developmental and environmental factors that support these behaviors, as well as the design, implementation, and review of evidence-based preventive interventions. Students are guided in the development of a prevention intervention for a chosen adolescent problem behavior.
Course activities: Term paper, group presentation.
Course note: Minimum enrollment of 10.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO

Social & Behavioral Sciences 220 Section: 1

Social and Structural Inequalities and Children's Health (191123)

Natalie Slopen

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: None

Enrollment Cap: 24

This course reviews major social and structural risks to children's health as well as opportunities for prevention. This class will review current theories of child development and mechanisms linking social and environmental conditions in childhood to physical and mental health disparities. Topics include economic inequality, neighborhood context, housing, school environments, racism, childhood trauma, and state-level policies (e.g., social safety nets, immigration). Major epidemiologic studies, landmark intervention trials, and social policy evaluations related to these topics will be presented. Students will design and conduct an original investigation of a social or structural factor in relation to a child health outcome through a secondary data analysis.

Course Note: The course is intended for students of a broad range of disciplines interested in child health issues, who have not necessarily had extensive training in maternal and child health.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course

Social & Behavioral Sciences 222 Section: 1

Social Services for Children, Adolescents and Families (191125)

Peter Maramaldi

2023 Spring (2.5 Credits)

Schedule: TR 0800 AM - 0930 AM

Instructor Permissions: None

Enrollment Cap: 32

SBS 222 presents the crucial role of social services in maintaining and promoting the health of children and their families. Beginning with a historical overview of social services in the U.S., the course examines current political trends and strategies that structure the content and delivery of social services. The social and psychological determinants of need for social services focus on events of public health relevance, including poverty, childhood trauma, historical trauma, adoption/foster care, family violence, childcare, social determinants of neurological development, and mental health services for children. Services will be examined from perspectives representing both sides of the political divide following the November 2022 mid-term election cycle, and the January 3, 2023 formation of the 118th Congress—in the context of the Executive and Judicial Branches of US government.
Course Activities: Seminar discussion based on current political trends and policy, student-led briefings, simulated in-class political debates.

Class Notes: **In-class presentations, briefings, and debates**
Between class meetings, participants are required to research and prepare material for class discussion and debate simulations. Participants are expected to juxtapose opposing views on issues across political and ideological divides.

Guest Lecturers
Throughout the semester, guest lecturers from government, industry, or healthcare may present on innovations in service delivery.

Aims

To enhance understanding of how social services came to exist, currently operate, and the ways in which they fulfill their stated goals— or fail to do so. The material presented in this course should complement maternal and child health background in domestic policy and services. Students are encouraged to think of improved and more effective approaches to service delivery, and to become actively involved in local and national policy debates and political discourse throughout their professional careers. Students will be encouraged to seek out opposing viewpoints on issues related to services and the welfare of children, youth and families in order to become more effective advocates and influencers.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course

Social & Behavioral Sciences 236 Section: 1

Social Epidemiology (212860)

Lisa Berkman

2023 Spring (2.5 Credits)

Schedule: TR 0200 PM - 0330 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   25

This course is based on the new and completely revised edition of "Social Epidemiology" by Berkman, Kawachi and Glymour. The aim of the course is to build on basic concepts in social epidemiology and epidemiology and social sciences more broadly to examine in a critical and insightful way the evidence and methods for understanding the social determinants of health. The course is oriented towards those students who have a solid foundation in basic methods so that we can move to more analytical discussions of evidence and novel approaches to identification of the ways in which the social environment influences health. Each class will build on selected readings and a chapter from "Social Epidemiology". We will cover social exposures related to socioeconomic status, inequality, discrimination, social networks, social capital, work organization and labor markets, social and economic policies, health behaviors and affective states. The course also integrates an understanding of experimental and policy interventions and biological pathways across the substantive domains.

Course Prerequisite(s): EPI201 and EPI202 and (SBS201 or SBS506). EPI202 may be taken concurrently.

Course Note: If you do not meet the prerequisites, please email lberkman@hsph.harvard.edu describing comparable courses you have taken.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

         Priority Wave Groups

         Wave 1 | PhD PHS SBS, PhD PHS EPI, EPI SM1, EPI SM2

         Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Pre-requisites: EPI201 and EPI202 and (SBS201 or SBS506).**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 254 Section: 1

Social Disparities, Stress, and Health (191130)

Laura Kubzansky

2023 Spring (2.5 Credits)

Schedule: TR 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 20

This course is designed to review theories and research examining stress and the role it plays in social disparities in health. The course will review basic concepts and models of stress as well as the mechanisms by which stress may influence health and explain social disparities. A key aspect of the class will be to consider the quality of the research on stress and health, and students will be required to evaluate methods and measures. The course builds on a basic understanding of society and health and of epidemiology.

Course Activities: Lectures, seminars: reaction papers, class presentations and discussion, a take-home final.

Course Note: Minimum enrollment of 10.

Course Prerequisite(s): SBS201 or EPI201 or ID201 or PHS 2000A

Class Notes: A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups

Wave 1 | MPH45 HSB, MPH65 HSB, SM1 SBS, PHS SBS

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Prerequisite: SBS201 or EPI201 or ID201 or PHS 200A**

Students must have received a grade in one of the above classes to meet this pre-requisite.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Course Material Fee Tier	< $25
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 263 Section: 1

Multilevel Statistical Methods: Concept and Application (191132)

S.V. Subramanian

2023 Spring (5 Credits)

Instructor Permissions: None

Schedule: F 0945 AM - 1245 PM

Enrollment Cap: 25

This course is designed to provide doctoral students with a training experience in the concept and application of multilevel statistical modeling. Students will be motivated to think about correlated and dependent data structures that arise due to sampling design and/or are inherent in the population (such as pupils nested within schools; patients nested within clinics; individuals nested within neighborhoods and so on). The substantive motivation for analyzing such complex data structures would be to make quantitative assessments about the role of contexts (e.g., schools, clinics, neighborhoods) in predicting individual outcomes. In particular, the principles of recognizing and modeling the underlying heterogeneity in average relationships would be emphasized. Linear, non-linear, and multivariate multilevel models will be covered. Upon completion, students should be able to conceptualize multilevel modeling strategies and to undertake empirical, quantitative multilevel research. The course will be lecture-based with substantial hands-on component.

Course Activities: Data management, modeling and analysis; individual assignments; project submission and class participation.

Course Notes: Knowledge of linear regression required. This course is a requirement for all SBS doctoral students. 5 required lab sessions on Mondays 1:00-1:50 PM.

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | PhD PHS SBS

Wave 2 | DrPH

Wave 3 | Open Enrollment

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Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Pre-Requisite: EPI 201, EPI 202, and (BST 210 or PHS 2000 A/B)**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	NO
HSPH: Course Category	Category 2: Required Course

Social & Behavioral Sciences **300** Section: 1

Independent Study (191142)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences **300** Section: 10

Independent Study (191142)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences **300** Section: 101

Independent Study (191142)

Jarvis Chen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences **300** Section: 102

Independent Study (191142)

Jarvis Chen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences **300** Section: 103

Independent Study (191142)

Jarvis Chen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 11

Independent Study (191142)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 12

Independent Study (191142)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 13

Independent Study (191142)

Karen Emmons

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 14

Independent Study (191142)

Karen Emmons

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 15

Independent Study (191142)

Karen Emmons

2023 Spring (0 Credits)   **Schedule:**   TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 16

Independent Study (191142)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 17

Independent Study (191142)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 18

Independent Study (191142)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 2

Independent Study (191142)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 21

Independent Study (191142)

Mary Bassett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 22

Independent Study (191142)

Mary Bassett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 300 Section: 23

Independent Study (191142)

Mary Bassett

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 25

Independent Study (191142)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences **300** Section: 26

Independent Study (191142)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences **300** Section: 27

Independent Study (191142)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 28

Independent Study (191142)

Barbara Gottlieb

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 29

Independent Study (191142)

Barbara Gottlieb

2023 Spring (0 Credits)

		Schedule:	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 3

Independent Study (191142)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences **300** Section: 30

Independent Study (191142)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences **300** Section: 34

Independent Study (191142)

Ichiro Kawachi

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Social & Behavioral Sciences **300** Section: 35

Independent Study (191142)

Ichiro Kawachi

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences **300** Section: 36

Independent Study (191142)

Ichiro Kawachi

2023 Spring (0 Credits)		**Schedule:**	TBD
Instructor Permissions:	Instructor	**Enrollment Cap:**	n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences **300** Section: 37

Independent Study (191142)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 38

Independent Study (191142)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 39

Independent Study (191142)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 4

Independent Study (191142)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 40

Independent Study (191142)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 41

Independent Study (191142)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 42

Independent Study (191142)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 43

Independent Study (191142)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 44

Independent Study (191142)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 45

Independent Study (191142)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 46

Independent Study (191142)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 47

Independent Study (191142)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 48

Independent Study (191142)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 300 Section: 5

Independent Study (191142)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 50

Independent Study (191142)

Henning Tiemeier

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

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Social & Behavioral Sciences 300 Section: 51

Independent Study (191142)

Henning Tiemeier

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 52

Independent Study (191142)

Christy Denckla

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 53

Independent Study (191142)

Christy Denckla

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 54

Independent Study (191142)

Christy Denckla

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 55

Independent Study (191142)

Margareta Matache

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 56

Independent Study (191142)

Margareta Matache

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences **300** Section: 57

Independent Study (191142)

Margareta Matache

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences **300** Section: 58

Independent Study (191142)

Clyde Smith

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 59

Independent Study (191142)

Clyde Smith

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 6

Independent Study (191142)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 60

Independent Study (191142)

Clyde Smith

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 7

Independent Study (191142)

Rebekka Lee

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 70

Independent Study (191142)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 71

Independent Study (191142)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 72

Independent Study (191142)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 73

Independent Study (191142)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences **300** Section: 74

Independent Study (191142)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences **300** Section: 75

Independent Study (191142)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 76

Independent Study (191142)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 77

Independent Study (191142)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 78

Independent Study (191142)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 79

Independent Study (191142)

Sabra Katz-Wise

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 8

Independent Study (191142)

Natalie Slopen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 300 Section: 80

Independent Study (191142)

Sabra Katz-Wise

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 81

Independent Study (191142)

Sabra Katz-Wise

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 82

Independent Study (191142)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences **300** Section: 86

Independent Study (191142)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences **300** Section: 87

Independent Study (191142)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 88

Independent Study (191142)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 300 Section: 9

Independent Study (191142)

Jack Shonkoff

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:** n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 300 Section: 92

Independent Study (191142)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 300 Section: 94

Independent Study (191142)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 300 Section: 95

Independent Study (191142)

Natalie Slopen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 96

Independent Study (191142)

Natalie Slopen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 300 Section: 97

Independent Study (191142)

Natalie Slopen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

An opportunity for independent study is offered for interested and qualified students or small groups of students. Arrangements must be made with individual faculty members and are limited by the amount of faculty time available. These programs are open to all students who wish to go beyond the content of regular courses.

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 1

Research (191143)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 10

Research (191143)

Karen Emmons

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 350 Section: 11

Research (191143)

Karen Emmons

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 12

Research (191143)

Karen Emmons

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 13

Research (191143)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 14

Research (191143)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 15

Research (191143)

Elizabeth Janiak

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 16

Research (191143)

Sabra Katz-Wise

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 17

Research (191143)

Sabra Katz-Wise

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 18

Research (191143)

Sabra Katz-Wise

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 19

Research (191143)

Steve Gortmaker

2023 Spring (0 Credits)

Instructor Permissions: Instructor

Schedule: TBD

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 2

Research (191143)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 20

Research (191143)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 21

Research (191143)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 22

Research (191143)

Ichiro Kawachi

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 23

Research (191143)

Ichiro Kawachi

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

| All: Cross Reg Availability | Available for Harvard Cross Registration |

Social & Behavioral Sciences 350 Section: 24

Research (191143)

Ichiro Kawachi

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 25

Research (191143)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 26

Research (191143)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 27

Research (191143)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 28

Research (191143)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 29

Research (191143)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 3

Research (191143)

Sydney Austin

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 30

Research (191143)

Nancy Krieger

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 31

Research (191143)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 32

Research (191143)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 33

Research (191143)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 37

Research (191143)

Henning Tiemeier

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 39

Research (191143)

Henning Tiemeier

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

| ALL: Exclude from Canvas Feed | Exclude from Canvas Feed |

Social & Behavioral Sciences 350 Section: 4

Research (191143)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 41

Research (191143)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 350 Section: 42

Research (191143)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 43

Research (191143)

Shoba Ramanadhan

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

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Social & Behavioral Sciences 350 Section: 5

Research (191143)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 52

Research (191143)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 53

Research (191143)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 54

Research (191143)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 55

Research (191143)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 56

Research (191143)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 57

Research (191143)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 58

Research (191143)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 59

Research (191143)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 6

Research (191143)

Vaughan Rees

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Course Category	Category 4: Elective
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 60

Research (191143)

David Williams

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 64

Research (191143)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are

undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 65

Research (191143)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 350 Section: 66

Research (191143)

Barbara Gottlieb

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 67

Research (191143)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 68

Research (191143)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 350 Section: 69

Research (191143)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor   **Enrollment Cap:**   n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 7

Research (191143)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 70

Research (191143)

Natalie Slopen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 350 Section: 72

Research (191143)

Jarvis Chen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Course Category	Category 4: Elective

Social & Behavioral Sciences 350 Section: 8

Research (191143)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 350 Section: 9

Research (191143)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their school-wide Oral Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 360 Section: 1

Maternal and Child Health/Children, Youth and Families Seminar (191144)

Jonathan Litt

2023 Spring (0.63 Credits)

Schedule: T 0101 PM - 0150 PM

Instructor Permissions: None

Enrollment Cap: 70

This course is taken twice for a total of 1.26 Pass/Fail credits (0.63 in the Fall and 0.63 in the Spring)

Weekly seminar on topics in Maternal and Child Health/Children, Youth and Families.

Required for: doctoral students either majoring or minoring in Maternal Child Health/Children Youth and Families (MCH/CYF) until they defend their thesis; masters students concentrating in MCH/CYF for the duration of their program. The MCF/CYF concentration in open to masters and doctoral students in all departments at the Harvard T.H. Chan School of Public Health.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 400 Section: 1

Non-Resident Research (191147)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 10

Non-Resident Research (191147)

Ichiro Kawachi

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 11

Non-Resident Research (191147)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 12

Non-Resident Research (191147)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 13

Non-Resident Research (191147)

Karestan Koenen

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 14

Non-Resident Research (191147)

Kasisomayajula Viswanath

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: **Course Restricted to students who have passed their Oral Exam**

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 15

Non-Resident Research (191147)

Laura Kubzansky

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking

advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 400 Section: 16

Non-Resident Research (191147)

S.V. Subramanian

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 17

Non-Resident Research (191147)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
All: Cross Reg Availability	Available for Harvard Cross Registration
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES

Social & Behavioral Sciences 400 Section: 18

Non-Resident Research (191147)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 400 Section: 19

Non-Resident Research (191147)

Alan Geller

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 400 Section: 2

Non-Resident Research (191147)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 400 Section: 20

Non-Resident Research (191147)

Erin Driver-Linn

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 400 Section: 3

Non-Resident Research (191147)

Lisa Berkman

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt

Social & Behavioral Sciences 400 Section: 7

Non-Resident Research (191147)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
HSPH: Indpt. Study / Research	YES
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 400 Section: 8

Non-Resident Research (191147)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
Course Evaluation	Course Evaluation Exempt
HSPH: Indpt. Study / Research	YES
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 400 Section: 9

Non-Resident Research (191147)

Steve Gortmaker

2023 Spring (0 Credits)

Schedule: TBD

Instructor Permissions: Instructor

Enrollment Cap: n/a

For doctoral candidates who have passed their Written Qualifying Examination and who are undertaking advanced work along the lines of fundamental or applied research in the department.

Requirements: Course Restricted to students who have passed their Oral Exam

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	YES
Course Evaluation	Course Evaluation Exempt
ALL: Exclude from Canvas Feed	Exclude from Canvas Feed

Social & Behavioral Sciences 500 Section: 1

Developing a Research Protocol (191148)

Jarvis Chen

2023 Spring (2.5 Credits)

Schedule: F 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   21

This course focuses on the process of turning scientific questions into well-defined specific aims, testable hypotheses, and rigorous methods. Students will develop the Specific Aims, Significance, and Approach sections of an NIH-style grant proposal. Major attention is given to developing research hypotheses and proposing precise methods, including describing the sample, measures, study design, and analytic techniques. Students will have the opportunity to discuss and receive feedback from the course instructor and fellow students at all stages of the proposal writing process, including at a Mock Study Section meeting at the end of the course.

Class Notes: **Students who do not meet the pre-requisites should include a list of all research methods courses taken.**

Requirements: **Restricted to PhD-PHS-SBS students. Pre-requisites: PHS2000A, PHS2000B, AND SBS245**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 501 Section: 1

Community-based Participatory Research (191149)

Jocelyn Chu
Ra'Shaun Nalls

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: Instructor   **Enrollment Cap:**   27

<u>SBS 501</u>
Community-Based Participatory Research (CBPR) is an approach to research that ground practitioners in long-term commitments to co-develop research with community partners, and to build from community strengths and priorities for the purposes of translating research into policy or system-change actions that improve health and health equity (Wallerstein, 2020).

This 2.5 credit seminar course is designed to introduce the principles, processes and practices of CBPR. The course will trace the theoretical roots of participatory and action research traditions and provide students with foundational understanding of the guiding principles and strategies of CBPR, the ethical considerations involved in this approach, and practices that are integral for participating effectively in CBPR. The course focuses on taking a critical stance toward dominant narratives of knowledge production and explores asset-centered approaches and appreciation for multiple ways of knowing to inform the research process. Through discussion based learning, critical reflection and engagement with academic

and community guest speakers, students will learn to critically incorporate participatory approaches and frameworks into their public health research and practice.

We want to be clear: This course is not about applying qualitative research methods with community partners. SBS 501 emphasizes raising self-awareness and reconsidering held assumptions about research through the practice of critical reflection. We believe that this practice is necessary for preparing to engage in participatory research with community partners. SBS 551 (Spring 2) is designed to serve as the applied component for SBS 501 and builds on the foundational guiding principles, strategies and ethical considerations of participatory and action-oriented research.

Registration by instructor permission only: By January 26, 2023, interested students must request instructor permission in my.harvard and write a brief explanation about their interest in taking this course. Please limit to 304 sentences only and submit through my.harvard (not as email to the Instructor). Selected students will be approved by January 31, 2023.

| Requirements: | Students outside of HSPH must request instructor permission to enroll in this course |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 502 Section: 1

Mass incarceration and Health in the US (214473)

Monik Jimenez

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None   **Enrollment Cap:**   30

This course reviews the health implication of mass incarceration on individuals and their communities. Although the course will focus on the impact of incarceration, involvement with the criminal justice system more broadly will be discussed. The course will discuss the current state of knowledge, identify key gaps and explore examples of successful interventions to improve health outcomes among criminal justice involved individuals. Various health related implications of criminal justice involvement will be discussed, such as infectious disease, mental health, cardiovascular disease and cancer. A framework grounded in history and critical race theory will be employed in addition to careful consideration of the intersection of race. sex/gender, socioeconomic position and sexual and gender minority status. Methodological concerns and ethical implications of research conducted among individuals while in custody will also be considered. Classes will combine lectures, guest speakers representing key stakeholders and individuals with criminal justice involvement, and student led engagement. This course is appropriate for masters and doctoral level students.

| Class Notes: | Course restricted to SBS students. Students from outside the SBS Department may submit a petition. |

| Requirements: | HSPH: Pre-requisite EPI 201, Pre- or Co-requisite ID 201 |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 503 Section: 1

Explaining Health Behavior: Insights from Behavioral Economics (191150)

Ichiro Kawachi

2023 Spring (2.5 Credits)

Schedule: MW 0200 PM - 0330 PM

Instructor Permissions: None   **Enrollment Cap:**   95

This course will introduce students to the application of theories from behavioral economics to the field of public health. Individual sessions will cover foundational concepts in behavioral economics, including: a) bounded rationality and dual processing; b) prospect theory and loss aversion, c) asymmetric paternalism and the use of default options; d) the problem of inter-temporal choice and addiction; e) the use of incentives vs. commitments to promote behavior change. Examples of questions posed by the class include: "How can we incorporate novel insights from behavioral economics to improve the successful behavior change (e.g. to reduce obesity or promote smoking cessation)?"; "How can incentives be crafted to guide consumer choice? For example, "why is a tax on junk foods more effective than subsidies for healthy foods?"

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups
Wave 1 | MPH45 HSB, MPH65 HSB, SM1 SBS
Wave 2 | Open Enrollment
Wave 3 | Open Enrollment

Priority Wave Timing
Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM
Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM
Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 508 Section: 1

Successes & Challenges in Health Behavior Change (191155)

Alan Geller

2023 Spring (2.5 Credits)

Schedule: MW 1130 AM - 0100 PM

Instructor Permissions: None

Enrollment Cap: 61

Many large-scale, population-wide initiatives and campaigns have resulted in profound behavioral changes, including those for tobacco use, sun protection, and reduction of sugar sweetened beverages, to name a few.

We will follow an interconnected path that covers theory and key models, deepens our understanding of successful large-scale public health interventions, delves into the harm reduction/vaping debate, examines the critical importance of organizing and leadership, explores real-world problems with unfunded public health mandates, sees the critical importance of social support for high-risk populations, and closes with sessions on innovations. Much of the class will revolve around active discussion of readings, both in the popular and public health press, and at least two case studies. Each class will be explicitly organized around a case study and/or a lesson learned, some will be new ones, others will hopefully expand upon earlier SBS lessons.

Overall, this course aims to facilitate opportunities for students to read seminal pieces, contribute to avid discussions on a wide range of public health topics, and expand individual interests. It also seeks to encourage students to grapple with individual and collective lessons from major public health campaigns to build for more improved ones going forward. Accordingly, although the course focuses on cancer prevention initiatives, students should feel free to apply lessons learned to their areas of interest in their assignments.

Course Objectives:

1. Critically synthesize and evaluate criteria for successful population-wide interventions in population health improvement, including cancer control

2. Carefully critique the key components of historically successful large-scale cancer control interventions both for US and internationally (tobacco, skin cancer prevention, SSB laws)

3. Synthesize findings to develop evidence-based recommendations for large-scale, health behavior change interventions seeing the power of multi-level collaborations

4. Enhance practical skills for organizing and leading population-wide interventions

Class Notes: **THIS CLASS HAS PRIORITY ENROLLMENT**

Priority Wave Groups

Wave 1 | MPH45 HSB, MPH65 HSB, PHS SBS

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Material Fee Tier	< $25
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 3: Essential Course

Social & Behavioral Sciences 509 Section: 1

Health Communication in the 21st Century (191156)

Kasisomayajula Viswanath

2023 Spring (2.5 Credits)	**Schedule:**	T 0345 PM - 0645 PM
Instructor Permissions: None	**Enrollment Cap:**	50

This course is designed to provide students in public health and social science with an overview of the theory and research on the role of communication in health in the 21st century. The role of communication in public health will be examined both as a product of everyday interaction with communication platforms including mass media and messages, and its planned use to accomplish particular public health goals. Research examined here looks both at planned and unplanned effects of communication in a variety of health situations representing a range of public health topical concerns.

Class Notes:	☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

THIS CLASS HAS PRIORITY ENROLLMENT

Priority Wave Groups

Wave 1 | MPH45 HSB, MPH65 HSB, PhD PHS NUT

Wave 2 | Open Enrollment

Wave 3 | Open Enrollment

Priority Wave Timing

Wave 1 | 1/5/2023 11:00AM – 1/16/2023 11:59PM

Wave 2 | 1/17/2023 12:00AM – 1/19/2023 11:59PM

Wave 3 | 1/20/2023 12:00AM – Enrollment Deadline (varies by session)

Any student who does not meet the Wave 1 or Wave 2 criteria can add themselves to the waitlist (if enrollment requirements are met) at any time during the enrollment period. At the beginning of each priority wave, students on the waitlist who meet the Wave's criteria will be automatically enrolled into any remaining seats in the course (pending no time conflicts)

**Cross-Registrants and Non-Degree Students will be enrolled on a space available basis after the enrollment deadline for the course

| Requirements: | **Students outside of HSPH must request instructor permission to enroll in this course** |

Additional Course Attributes:

Attribute	Value(s)
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $25
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration

Social & Behavioral Sciences 522 Section: 1

Multi-Level Theoretical Approaches to Population Health and Health-Related Behavior Change (211390)

Karen Emmons

2023 Spring (2.5 Credits)	**Schedule:**	MW 0200 PM - 0330 PM
Instructor Permissions: Instructor	**Enrollment Cap:**	28

SBS 522 is a foundational course for Social and Behavioral Sciences. The course is predicated on the concept that health and health behavior is shaped by influences at multiple levels, ranging from individual factors to macro-social factors. The course introduces an array of conceptual theories, models, and

frameworks across these multiple levels of influence, and examines their role in understanding and improving health –related behavior and population health outcomes. Class discussion and assignments will enable the learner to understand the value of theory for ethical practice, research design, and intervention development. Critical thinking about strengths and limitations of current trends in theory/conceptual frameworks will be encouraged. This course contributes to the theory requirement for the doctoral program in the SBS field of study and is required for student in Public Health Nutrition. Any students who are interested in understanding how to develop interventions at any level of influence may find this course useful.

Class Notes:	☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**
Requirements:	**Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
eForm Autosubmitter	Auto Submitter
HSPH: Indpt. Study / Research	NO
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Material Fee Tier	< $75

Social & Behavioral Sciences 523 Section: 1

Advanced Intervention Evaluation Methods (220600)

Eve Nagler

2023 Spring (2.5 Credits)		**Schedule:**	MW 0345 PM - 0515 PM
Instructor Permissions:	None	**Enrollment Cap:**	20

This course aims to equip students with study designs, frameworks, and methodological tools to evaluate public health interventions. Students will apply a variety of study designs to a public health topic, including experimental: randomized controlled trials (RCT), Cluster RCT and Stepped wedge, quasi-experimental: Interrupted Time Series, Regression Discontinuity, as well as the application of propensity score matching to intervention evaluation, emerging innovative, adaptive designs: Multiphase Optimization Strategy (MOST) and Sequential Multiple Assignment Randomization Trials (SMART) and mixed methods. Students will practice justifying methodical considerations, assumptions, benefits, and limitations of these different study designs. Students will also consider the use of these designs related to addressing health disparities, and in low-resource settings. Additionally, students will use the PRECIS-2 (Pragmatic Explanatory Continuum Indicator Summary) tool as a framework to understand various intervention components that inform the trial design to create a pragmatic trial. The course will culminate in writing the Methods section of an NIH-style research proposal. We will highlight ways to engage the intended audience and community stakeholders in these processes throughout the course.

While the course will enable students to understand the practical applications of different study designs, this course will not go over sample size and power calculations. Students who may be interested in more advanced statistical applications of these methods are encouraged to consider courses including

PHS2000A/B, SBS 245, and GHP 228, among others.

Class Notes:	☐**A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit [the Curriculum Center website.](#)**
Requirements:	**Pre-Requisite: SBS 522** **To enroll in this class, student must have already completed and received a grade in SBS 522.**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Material Fee Tier	< $50

Social & Behavioral Sciences 535 Section: 1

Global Perspectives on Racism, Poverty, and Power (217492)

Margareta Matache

2023 Spring (2.5 Credits)		**Schedule:**	MW 0945 AM - 1115 AM
Instructor Permissions:	None	**Enrollment Cap:**	25

The course uses interdisciplinary, critical, and transnational/global perspectives to study racism and other systems of oppression, poverty, and the disempowerment of peoples subordinated based on race, gender, and class. The sessions include readings regarding the experiences of Black Americans, Burakumin people, Dalit people, Jewish people, Romani people, Palestinians, and other oppressed and racialized peoples.

This is an introductory course examining four main topics to be discussed in separate but interconnected sections: (1) race, racism, and other systems of oppression; (2) poverty and racialized and gendered poverty; (3) power; and (4) institutional and societal solutions to address racism and other oppressions.

Race and racism: When the rise of fast sailing ships allowed colonialist European nations to send their colonial project overseas in the sixteenth century, a key construction helped them justify their domination of indigenous peoples. That was the notion of the 'Other,' which they applied through harmful labels such as *criminals, backward, and savages*. **Such tactics have helped to validate and justify the oppression of various peoples before, during, and after colonization. In this section, we will discuss systems of oppression implemented in different parts of the world. This section also pays particular attention to the impact of racism on access, quality, and outcomes in education and health.**

Poverty: The existing measures of poverty provide a necessary but insufficient picture of poverty. International and national institutions operate with frameworks that are easily assessable (e.g., multidimensional poverty index or absolute poverty). Yet, these frameworks fail to encompass determinants and dimensions of poverty that are particular to historically oppressed peoples (e.g., multigenerational wealth). Thus, in this section, we will not only discuss the concepts of poverty and multidimensional poverty, but also explore ways to measure intersectional, racialized, and gendered poverty.

Power: The scholarship discusses oppression and racism not only as matters of rights deprivation for the oppressed but also as "inherited advantage in power" for the oppressors or their descendants. In this section, we will discuss whether and how inherited power is transmitted economically, socially, culturally, and ideologically.

Anti-racist solutions: In this final section, we will discuss examples of interventions (both successful and ineffective) to address racism and/or racialized and gendered poverty, from people and social movements to state policies and reparations.

Class Notes: A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 4: Elective
HSPH: Conditionally Approved	Conditionally Approved Course
eForm Autosubmitter	Auto Submitter
HSPH: Course Material Fee Tier	< $50
All: Cross Reg Availability	Available for Harvard Cross Registration

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Social & Behavioral Sciences 550 Section: 1

Program Evaluation (191167)

Henning Tiemeier

Mary Jean Brown

2023 Spring (2.5 Credits)

Schedule: MTWRF 0900 AM - 0500 PM

Instructor Permissions: Instructor

Enrollment Cap: 24

The course will be held during the winter session. The classroom experience will be conducted remotely in coordination with the Centers for Disease Control and Prevention and state and local health agencies. During the first week, an intensive course will be given on the basics of evaluation as well as an introduction to the CDC, and the U.S. public health system. This will include lectures and group work to teach the components of evaluation methodology. For this week, students will be teamed with CDC program officers and public health officials from up to 10 program sites across the country. Teams will work to develop program evaluation methodologies for specific public health issues selected by the state or local health agency.

During the second week of the class, students will continue working remotely with their program sites and CDC project officers and meet with stakeholders and program administrators to refine the evaluation methods for Title V or related Maternal Child Health Programs (MCH) programs. This evaluation plan will be used by the states and the CDC to evaluate their active public health programs for the next 2-3 years.

Class Notes: Students are encouraged to attend a lunch and learn remote meeting in September where faculty will provide more information on the course. Students will be asked to submit a paragraph with their enrollment request describing their interest in the course and how it meets their academic goals by October 27th, 2022. Accepted students will be notified no later than November 4th 2022.

Requirements: Students outside of HSPH must request instructor permission to enroll in this course

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 2: Required Course

HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Social & Behavioral Sciences 551 Section: 1

Community Based Participatory Research Part 2 (219682)

Jocelyn Chu

Ra'Shaun Nalls

2023 Spring (1.25 Credits)

Schedule: W 0945 AM - 1115 AM

Instructor Permissions: Instructor

Enrollment Cap: 20

This course is designed to serve as the practice component of SBS 501 Community Based Participatory Research and builds on the foundational guiding principles, strategies and ethical considerations of participatory and action-oriented research covered in the prerequisite course.

This 1.25 credit seminar seeks to deepen exploration of equitable and ethical partnerships for research with communities, focusing on collaborative engagement processes in co-designing a research or evaluation proposal with a community partner. The seminar takes a flipped classroom approach and includes interactive workshop style sessions that involve participation of external community partners. Classes may take place at the community partner site.

Students are expected to work in groups with a community partner. This includes 2-4 hours of out of classroom time expected for group work and meetings with the community partner.

Requirements: **Pre-Requisite: SBS 501**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 4: Elective
eForm Autosubmitter	Auto Submitter
HSPH: Conditionally Approved	Conditionally Approved Course

Social & Behavioral Sciences 945B Section: 1

Applied Practice and Integrative Learning Experience for Health and Social Behavior (HSB-MPH-45) (205616)

Clyde Smith

2023 Spring (1.25 Credits)

Schedule: F 0945 AM - 1115 AM

Instructor Permissions: Instructor

Enrollment Cap: 35

This is a year-long course worth a total of 2.5 credits (1.25 in the fall and 1.25 in the spring).

Addresses the professional training needs of MPH students who plan to pursue leadership positions in the public sector or in community health. Students, individually or in small groups, undertake fieldwork in public or community health agencies. They apply managerial and analytic techniques developed in the concentration to the solution of problems confronting these agencies. Students meet with advisors from Harvard Chan and their host agency throughout the field placement. Class sessions explore the practice of public and community health through case studies, readings and hands-on activities.

Course Activities: Field work, written and oral project report, periodical email updates and reflections to the instructor.

Grade and Credit Units Note: SBS 945 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. Students only receive a grade in SBS 945 after they have completed both Part A and Part B.

At the end of the Fall term, students will receive an "IP" ("in progress") grade in SBS 945A. This is a <u>non-credit-bearing placeholder grade</u> that will remain on the student's transcript until they receive a final grade at the end of the Spring term. This means the 1.25 credits from SBS 945A will not be reflected in the student's transcript when the "IP" grade is present.
When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from SBS 945.

Requirements: **Course Restricted to students in the MPH45 Health and Social Behavior program**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 2: Required Course
HSPH:Year Long Course	HSPH:Year Long Course
Full Year Course	Indivisible Course
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Search Attributes	Display Only in Course Search
HSPH: Indpt. Study / Research	NO

Social & Behavioral Sciences 965S Section: 1

Applied Practice and Integrative Learning Experience for Health and Social Behavior (MPH65) (216455)

Alan Geller

2023 Spring (1.25 Credits)

Schedule: T 0530 PM - 0700 PM

Instructor Permissions: None   **Enrollment Cap:**   24

All students completing a Master of Public Health degree must complete a Practicum and a Culminating Experience. This course is designed to address these two degree requirements through the integration and synthesis of competencies gained during the MPH-HSB 65 degree program through coursework and field practice. The course will also provide guidance to students as they seek employment and will include seminars on salary negotiation, resume writing, and job-seeking.

Registration Note: This course is restricted to MPH-HSB 65 students in their first year.

Class Notes: **A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Requirements: **HSPH: Restricted to MPH-HSB 65 students in their first year**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
Course Evaluation	Course Evaluation Exempt
HSPH: Conditionally Approved	Conditionally Approved Course
HSPH: Course Material Fee Tier	< $25
All: Cross Reg Availability	Not Available for Cross Registration
HSPH: Course Category	Category 2: Required Course

Social & Behavioral Sciences 980B Section: 1

SBS Doctoral Seminar (218909)

Laura Kubzansky

2023 Spring (1.25 Credits)

Schedule: R 0100 PM - 0150 PM

Instructor Permissions: None

Enrollment Cap: 50

The SBS Doctoral Seminar is designed to provide students with an opportunity to connect across cohorts, explore topics covered in their doctoral-level coursework in more depth, develop and practice critical professional skills (e.g., grant writing, research development, science communication, CV/cover letter writing), and present their on-going research for feedback from their peers. A 50-minute seminar will be held every week, and content will be split between a student work-in-progress presentation and an interactive discussion/presentation led by the facilitator addressing topics relating to navigating the doctoral program in SBS (including relevant program milestones, like the written exam, dissertation proposal, oral exam, and dissertation defense), the conduct of social and behavioral research, and career development. Topics will be identified by the postdoc facilitator and students at the start of the year, with additional guidance provided by the faculty sponsor. The seminar will meet weekly and will be open to SBS PHS/PhD students across all years of the program.

Grade and Credit Units Note: SBS 980 is a yearlong class comprised of two parts: Part A in the Fall and Part B in the Spring. Students only receive a grade in SBS 980 after they have completed both Part A and Part B. At the end of the Fall term, students will receive an "IP" ("in progress") grade in SBS 980A. This is a non-credit-bearing placeholder grade that will remain on the student's transcript until they receive a final grade at the end of the Spring term. When the Spring grades are posted, the student's final grade will replace the "IP" grade on the transcript, and the transcript will reflect the full 2.5 credits the student earned from SBS 980.

    Requirements: **HSPH: PW PHS SBS**

Additional Course Attributes:

Attribute	Value(s)
All: Cross Reg Availability	Available for Harvard Cross Registration
Course Search Attributes	Display Only in Course Search
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective

Subject: Women, Gender & Health

Women, Gender & Health 207 Section: 1

Advanced Topics in Women, Gender and Health (191277)

Amanda Raffoul

Ariel Beccia

2023 Spring (1.25 Credits)

Schedule: T 0945 AM - 1115 AM

Instructor Permissions: None

Enrollment Cap: 20

This interdepartmental, interdisciplinary seminar will provide a forum to analyze how diverse gender-related constructs (including identity and expression) influence public health research and practice. Invited speakers will give examples of cutting edge issues in public health research and practice, focusing on how gender contributes to understanding and intervening on population distributions of health, disease, and

well-being, with an eye towards intersectionality in relation to racism, classism, heterosexism, transphobia, and other forms of social inequity and context. The structure of the course combines lectures by guest speakers who are working in the field of women, gender, and health, as well as in-depth student-led discussions of assigned readings/media. Students will create brief teaching examples that use gender-based analysis while cultivating core skills in public health.

Course Note: Minimum enrollment of 5; maximum enrollment of 20.

Class Notes: **WGH 207 meets in Kresge 202B on all days except March 28. _On March 28, the class will meet in Kresge 502._**

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Category	Category 3: Essential Course
HSPH: Indpt. Study / Research	NO

Women, Gender & Health 210 Section: 1

Women, Gender and Health: Critical Issues in Mental Health (191278)

Elizabeth Boskey

2023 Spring (2.5 Credits)

Schedule: MW 0800 AM - 0930 AM

Instructor Permissions: None

Enrollment Cap: 25

This course explores issues relevant to mental illness, mental health from a gender perspective. Course themes include illness constructs, life cycle and transitions, collective and individual trauma, role and relationship and embodiment. Topics include eating disorders, pain, hormonally mediated mood disorders, and PTSD. Examples highlight US and international experience. Readings are multidisciplinary, including public health and medicine, social sciences, history and literature.

Course Activities: Includes a student final project.

Course Notes:
 Minimum enrollment of 5 students.

Class Notes: **A course materials fee may apply for this course. An upper estimate is listed below, and the final materials fee will be communicated to enrolled students at the beginning of the term. For more information and a list of past years' materials fees for the current semester's courses, please visit the Curriculum Center website.**

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 2: Required Course
All: Cross Reg Availability	Available for Harvard Cross Registration
eForm Autosubmitter	Auto Submitter

Women, Gender & Health 220 Section: 1

Sexuality and Public Health (191280)

Sydney Austin

2023 Spring (2.5 Credits)

Schedule: R 0345 PM - 0645 PM

Instructor Permissions: None   **Enrollment Cap:**   24

This course provides an introduction to the breadth of research and research methods in the study of sexuality and sexual health promotion in diverse contexts and populations. Students will develop skills needed to carry out epidemiologic research and community-based interventions related to sexual health promotion. Students will be introduced to ways to integrate conceptual models, methodologies, and perspectives from a variety of fields to inform a unique transdisciplinary, holistic approach to public health promotion of sexual health. Class session format includes lectures, discussions, case studies, individual and group presentations, and in-class writing assignments.

Course Note: Minimum enrollment of 10.

Requirements: **Students outside of HSPH must request instructor permission to enroll in this course**

Additional Course Attributes:

Attribute	Value(s)
HSPH: Course Category	Category 3: Essential Course
All: Cross Reg Availability	Available for Harvard Cross Registration
HSPH: Course Material Fee Tier	< $50
HSPH: Indpt. Study / Research	NO
eForm Autosubmitter	Auto Submitter

Women, Gender & Health 250 Section: 1

Embodying Gender: Public Health, Biology and the Body Politic (191281)

Nancy Krieger

2023 Spring (2.5 Credits)

Schedule:

W 1000 AM - 1230 PM

W 0200 PM - 0430 PM

R 1000 AM - 1230 PM

R 0200 PM - 0430 PM

F 1000 AM - 1230 PM

F 0200 PM - 0430 PM

T 1000 AM - 1230 PM

T 0200 PM - 0430 PM

W 1000 AM - 1230 PM

W 0200 PM - 0430 PM

F 0200 PM - 0515 PM

Instructor Permissions: None   **Enrollment Cap:**   16

This course will focus on the social and biological processes and relationships from interpersonal to institutional involved in embodying gender, as part of shaping and changing societal distributions of,

including inequities in, health, disease, and well-being. It will consider how different frameworks of conceptualizing and addressing gender, biological sex, and sexuality (that is, the lived experience of being sexual beings, in relation to self, other people, and institutions) shape questions people ask about and explanations and interventions they offer for a variety of health outcomes. Examples span the lifecourse and historical generations and include chronic non-communicable diseases, HIV/AIDS, occupational injuries, reproductive health, mental health, and mortality, each analyzed in relation to societal and ecological context, global health policy and human rights, work, and the behaviors of people and institutions. In all these cases, issues of gender and sexuality will be related to other societal determinants of health, including social class, racism, and other forms of inequality. The objective is to improve praxis for research, teaching, policy, and action, so as to advance knowledge and action needed for producing sound public health policy and health equity, including in relation to gender and sexuality.

Course Note: Prerequisite is a prior course on gender analysis and health, such as: WGH 201, WGH207, WGH210, WGH211, WGH220, SBS506, SBS507, ANTHRO1882, HLS2242, HLS2513, HLS2540, or another prior course on gender analysis and health (with instructor's approval)

Class Notes:	**WGH 250 will meet on the following days.**
	Wed, Jan 11: Session 1, 10:00 AM - 12:30 PM
	Wed, Jan 11: Session 2, 2:00 PM - 4:30 PM
	Thurs, Jan 12: Session 3, 10:00 AM - 12:30 PM
	Thurs, Jan 12: Session 4, 2:00 PM - 4:30 PM
	Fri, Jan 13: Session 5,10:00 AM - 12:30 PM
	Fri, Jan 13: Session 6, 2:00 PM - 4:30 PM
	Tues, Jan 17: Session 7, 10:00 AM - 12:30 PM
	Tues, Jan 17: Session 8, 2:00 PM - 4:30 PM
	Wed, Jan 18: Session 9, 10:00 AM - 12:30 PM
	Wed, Jan 18: Session 10, 2:00 PM - 4:30 PM
	Fri, Jan 20: Session 11, 2:00 PM - 5:15 PM
Requirements:	**Prerequisite: WGH 201, WGH207, WGH210, WGH211, WGH220, SBS506, SBS507, ANTHRO1882, HLS2242, HLS2513, HLS2540**

Additional Course Attributes:

Attribute	Value(s)
eForm Autosubmitter	Auto Submitter
HSPH: Course Category	Category 4: Elective